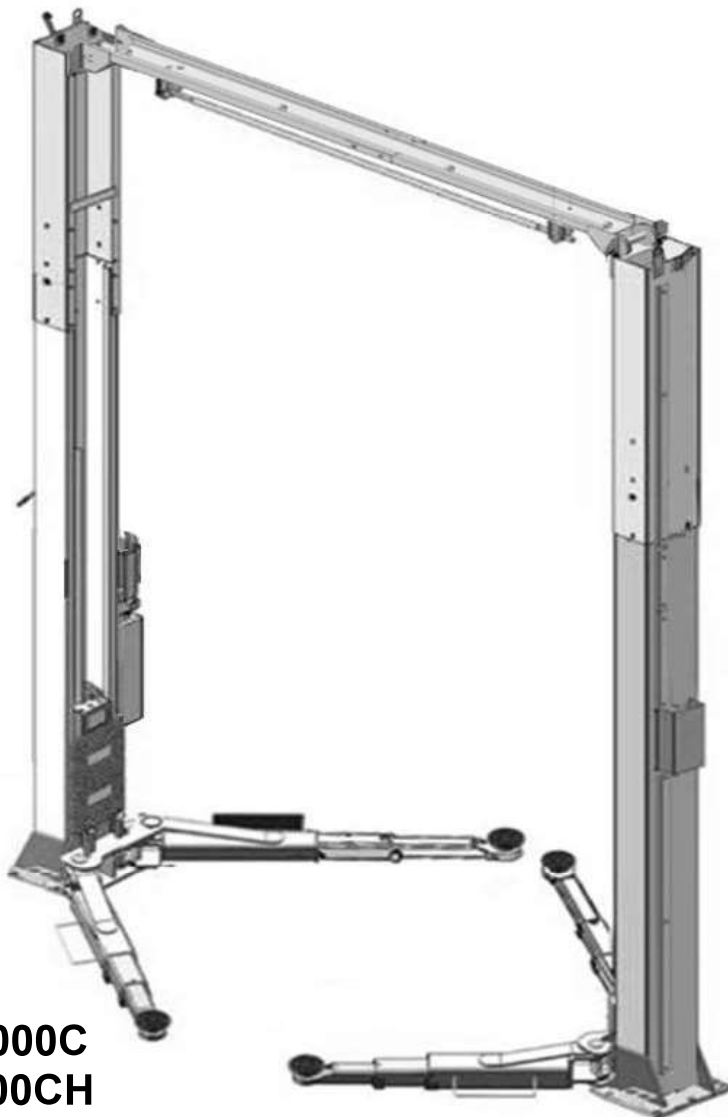


# CLASSICLIFT

## Installation And Service Manual



**TWO POST LIFT**

**Model: CLASSIC 4000C  
CLASSIC 4000CH**

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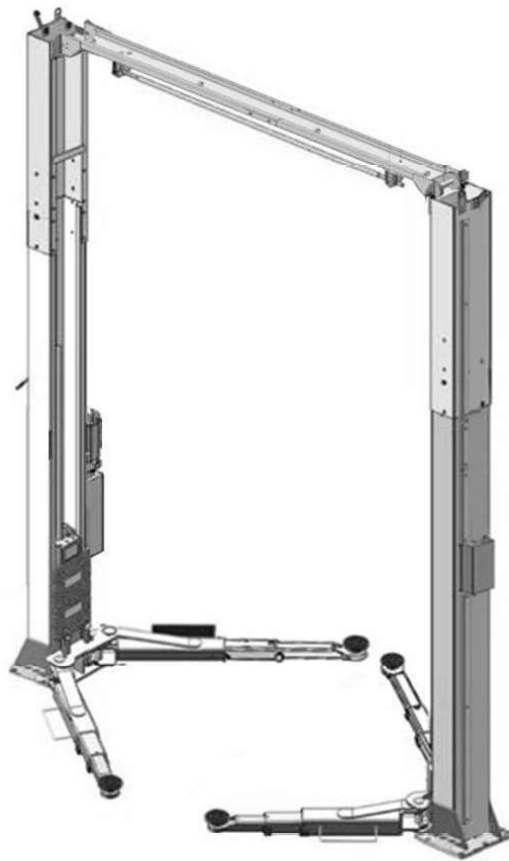
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## I. PRODUCT FEATURES AND SPECIFICATIONS

### CLEAR-FLOOR DIRECT-DRIVEN MODEL FEATURES

#### Model CLASSIC 4000C , CLASSIC 4000CH (See Fig. 1)

- Direct-driven design, minimize the lift wear parts and breakdown ratio
- Dual hydraulic direct-driven cylinders made on high standard.
- Self- lubricating UHMW Polyethylene sliders and bronze bush
- Single-point safety release, and dual safety design
- Clear-floor design, provide unobstructed floor use
- Overhead safety shut-off device prevents vehicle damage
- 4pcs of 3-stages arms with drop in rubber pads
- Standard adjustable heights accommodates varying ceiling heights

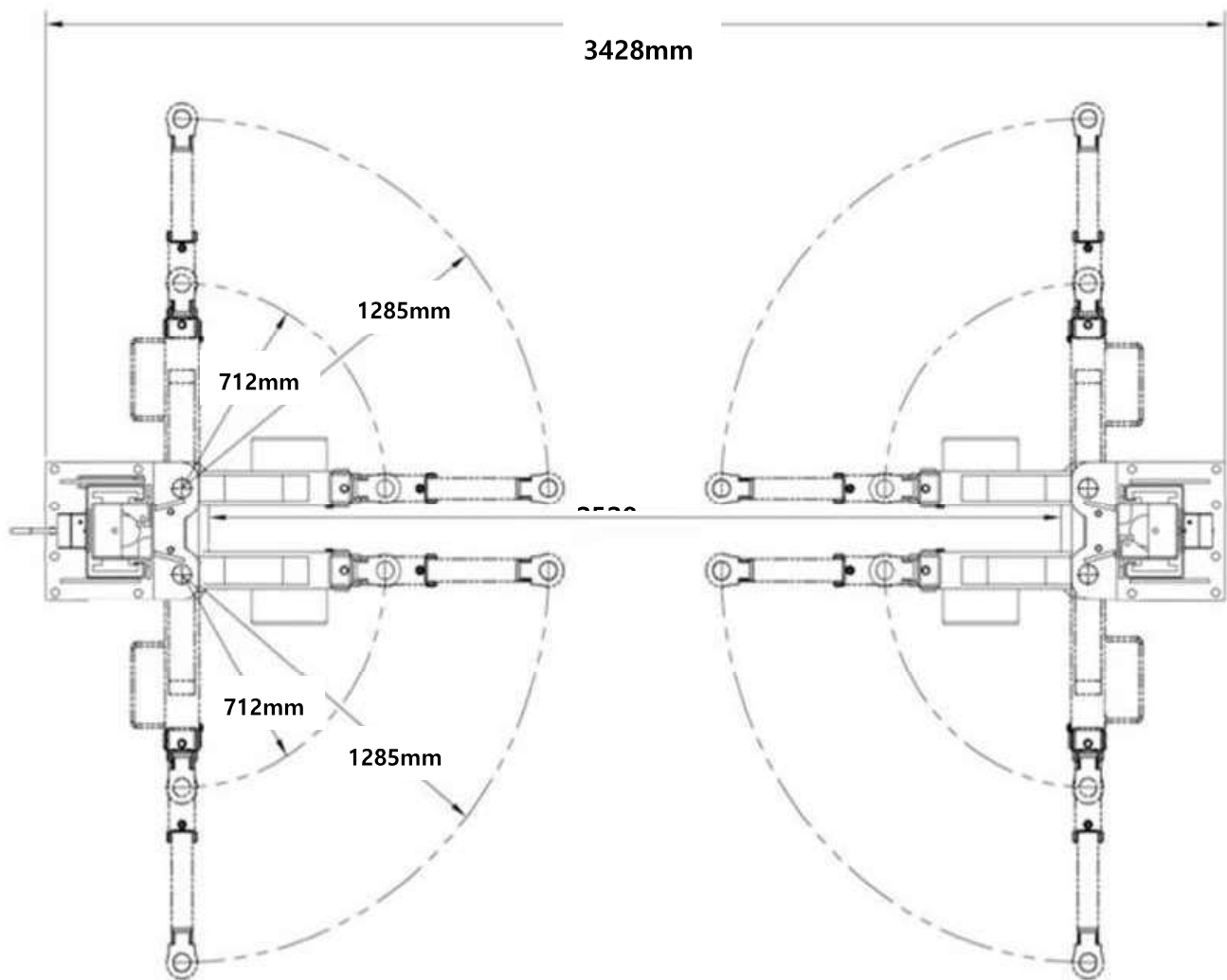


**Fig. 1**

### MODEL CLASSIC 4000C , CLASSIC 4000CH SPECIFICATIONS

Model	Lifting Capacity	Lifting Time	Lifting Height	Overall Height	Overall Width	Minimum Pad Height	Motor
<b>CLASSIC 4000C</b>	4000KG	57S	1815-2044mm	3621/3821mm	3428mm	90-319mm	2.0/3.0 HP
<b>CLASSIC 4000CH</b>	4000KG	57S	1815-2044mm	4231/4431mm	3428mm	90-319mm	2.0/3.0 HP

**Arm Swings View**  
**For Model CLASSIC 4000C , CLASSIC 4000CH**



**Fig.2**

## II. INSTALLATION REQUIREMENT

✓ Rotary Hammer Drill (Φ19)



✓ Hammer



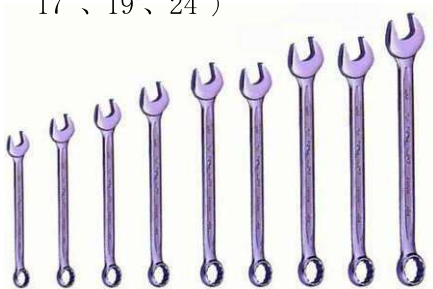
✓ Level Bar



✓ ✓ Spanner (12" )



✓ Wrench : (8#, 10#, 13#, 14#, 17#, 19#, 24#)



✓ Ratchet Spanner With Socket: (28#)



✓ Carpenter's Chalk



✓ Screw srts



✓ Tape Measure (7.5m)



✓ Pliers



✓ Lock Wrench



✓ Socket Head Wrench : (3#, 5#, 8#)

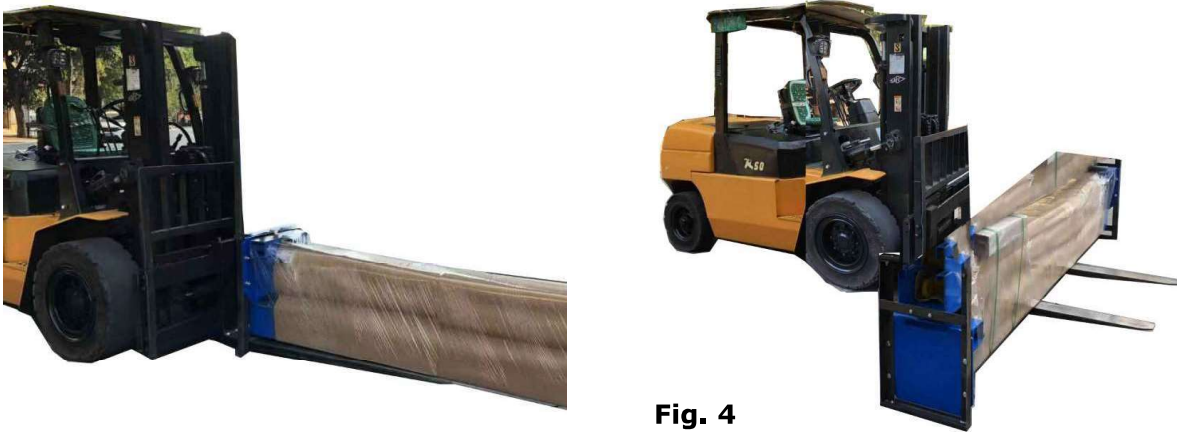


Fig.3

### **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.**



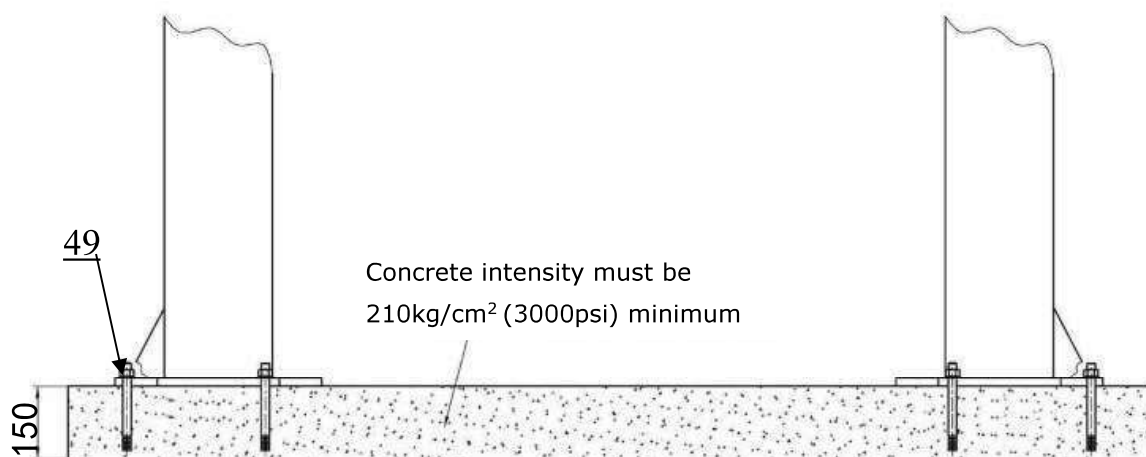
**Fig. 4**

### **D. SPECIFICATIONS OF CONCRETE (See Fig. 5)**

**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 150mm minimum and without reinforcing steel bars, and must be dried completely before lift installation.
2. Concrete must be in good condition and must be of test strength  $210\text{kg/cm}^2$  (3,000psi) minimum.
3. Floors must be level and no cracks.



**Fig. 5**

### **E. POWER SUPPLY**

The electrical source must be 3HP minimum. The source cable size must be  $2.5\text{mm}^2$  minimum 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).

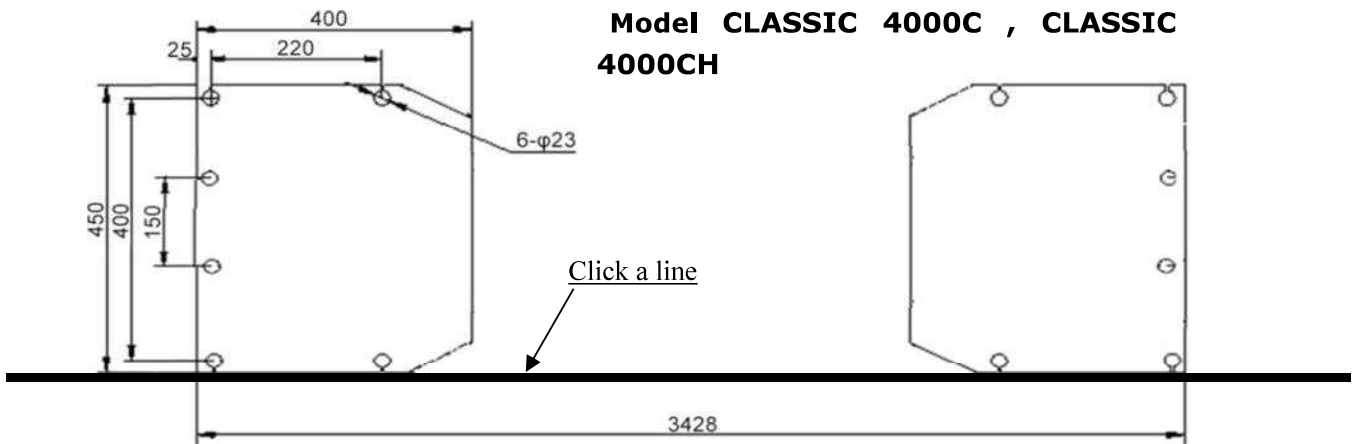


Fig. 6

#### C. Check the parts before assembly.

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



Fig. 7

2. Move aside the lift with fork lift or hoist, and open the extension packing carefully , take off the lifting arms and parts box from upper and inside the column, then move them to location nearby installation site, check the parts according to the shipment parts list (See Fig.8).

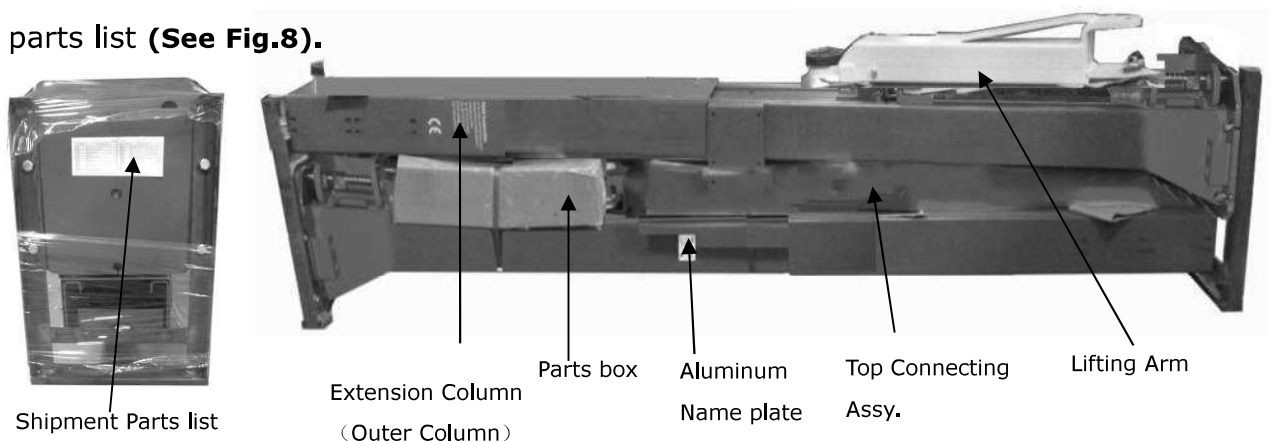
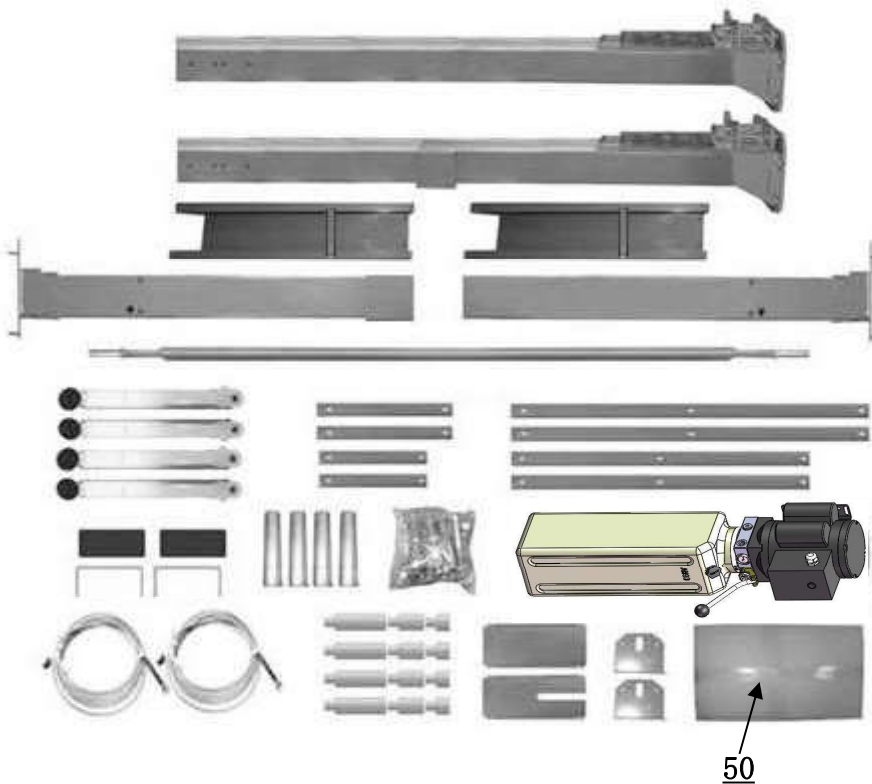


Fig. 8



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



**Fig. 9**

Parts for CLASSIC 4000C ,  
CLASSIC 4000CH in the shipment



**Fig. 10**

Parts in the parts box (50)

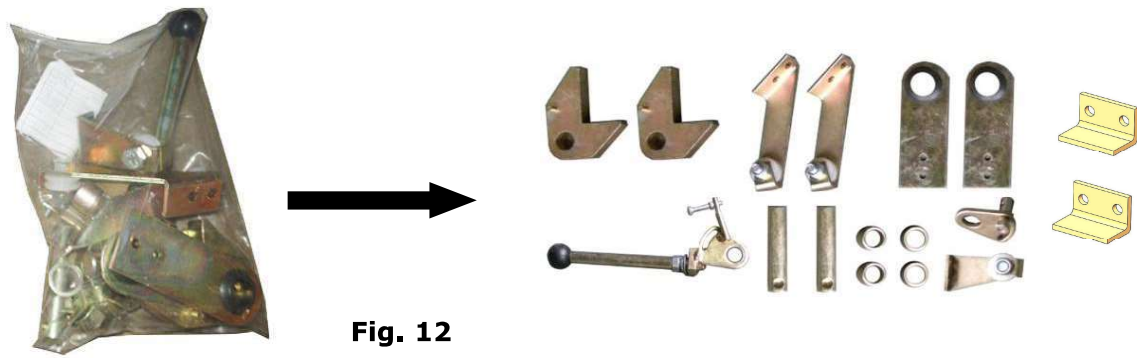
5. Open the bag 1 of parts and check the parts according to parts box list (See Fig. 11).



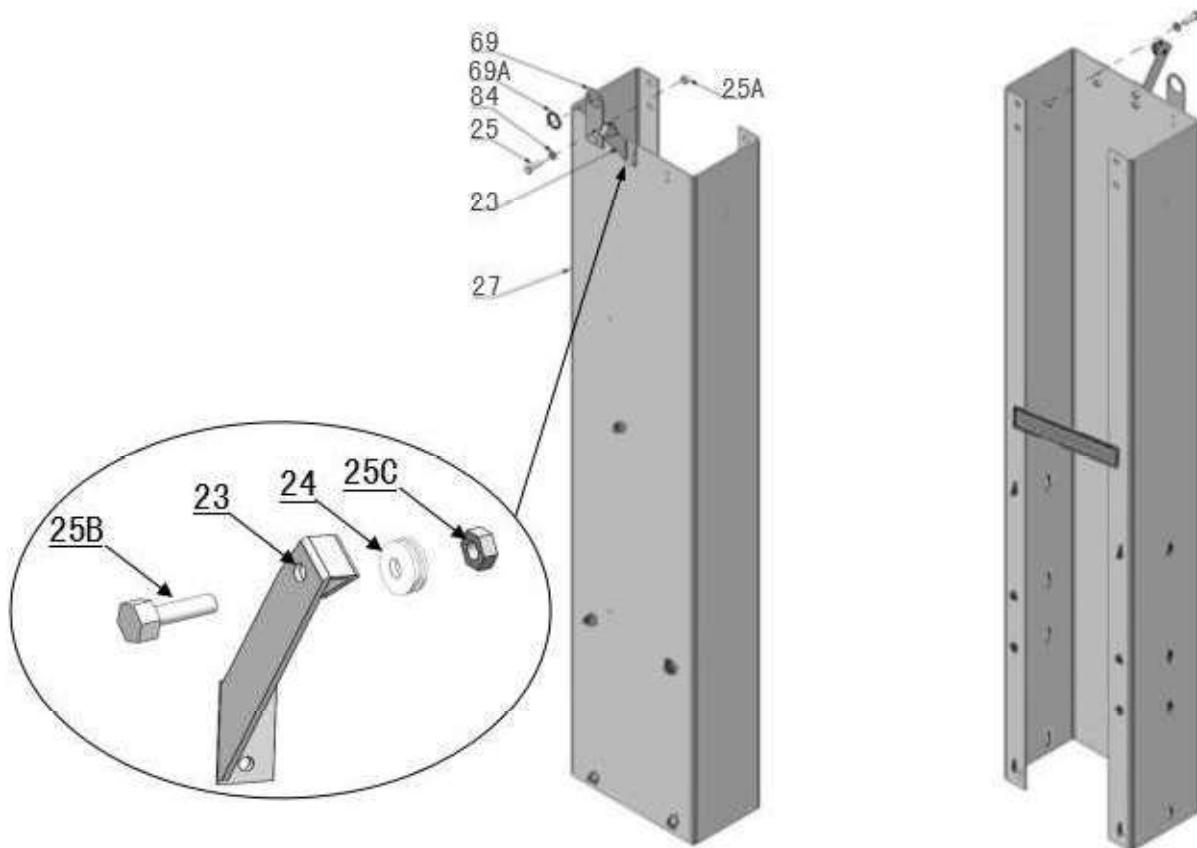
**Fig. 11**



6. Open the bag 2 of parts and check the parts according to parts bag list (See Fig. 12).



**D. Install parts of extension columns (See Fig. 13).**



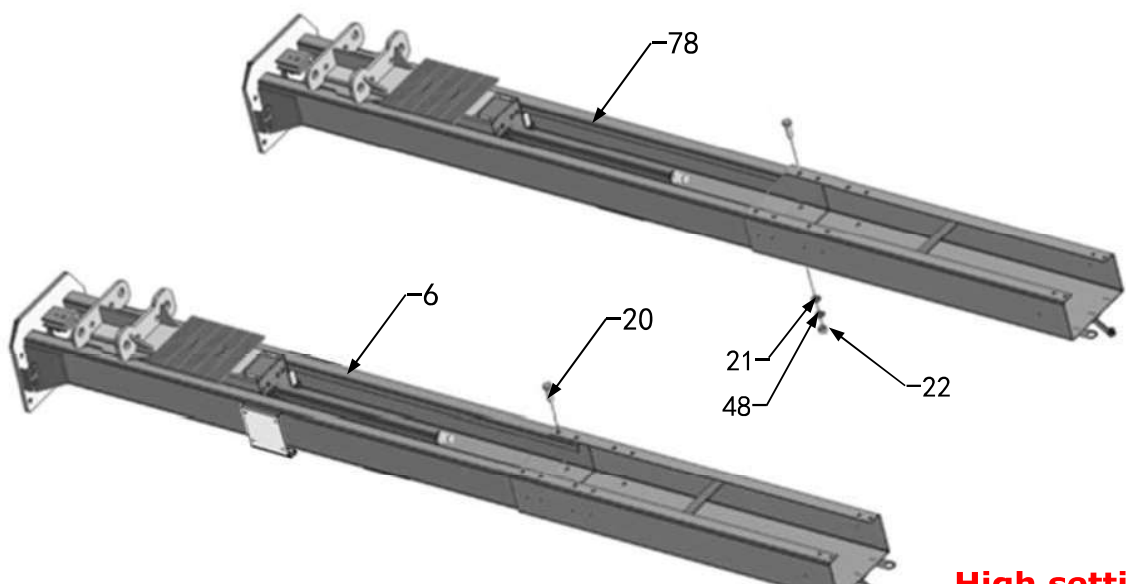
**Fig. 13**

## E. Position power-side column

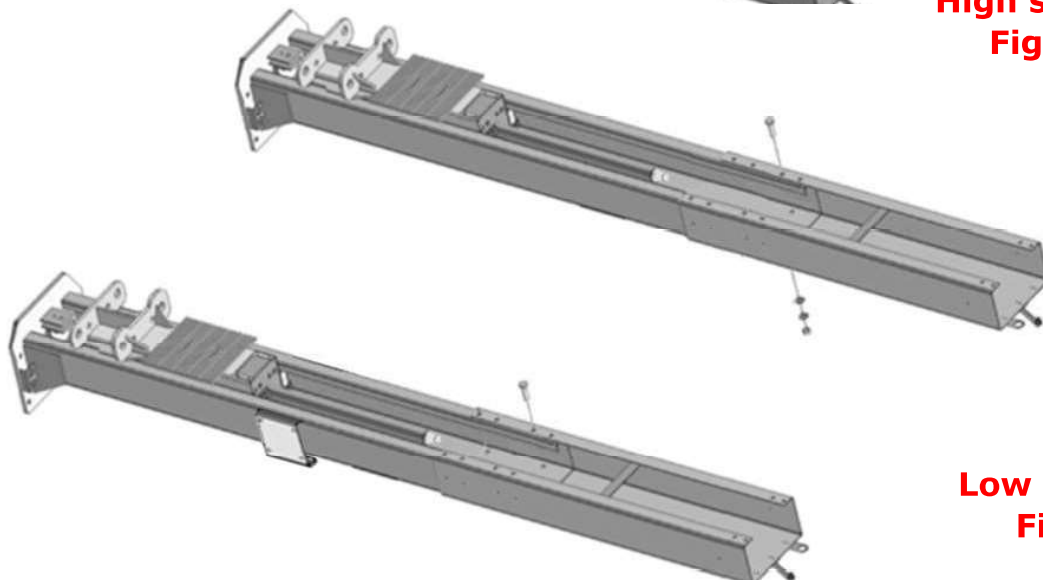
Lay down two columns on the installation site parallelly, position the power-side column according to the actual installation site. Usually, it is suggested to install power-side column on the front-right side from which vehicles are driven to the lift. This lift is designed with 2-Section columns. Adjustable height according to the ceiling height and connecting the inner and extensions columns.

1. CLASSIC 4000C requirement: Ceiling height over than 3850mm, can be both low setting and high setting. Ceiling height between 3650-3850mm, only available low setting. Ceiling height less than 3650mm not available this model.
2. CLASSIC 4000CH requirement: Ceiling height over than 4460mm, can be both low setting and high setting. Ceiling height between 4260-4460mm, only available low setting. Ceiling height less than 4260mm not available this model.

Note: For high setting, connect the lower hole of the extension columns (see Fig 14).  
For low setting, connect the upper hole of the extension columns (see Fig 15).



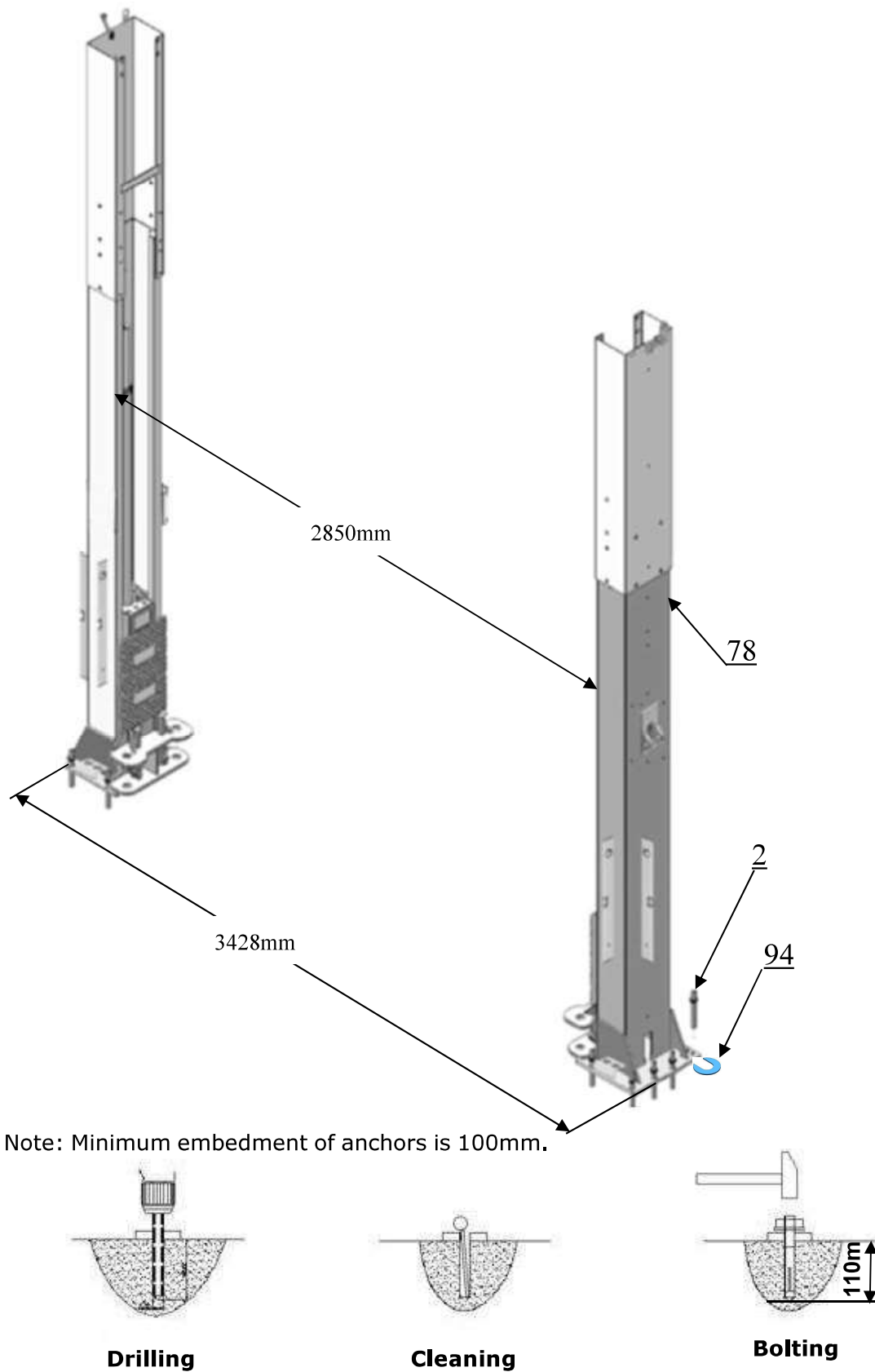
**High setting  
Fig 14**



**Low setting  
Fig 15**

## F. Position columns (See Fig. 16)

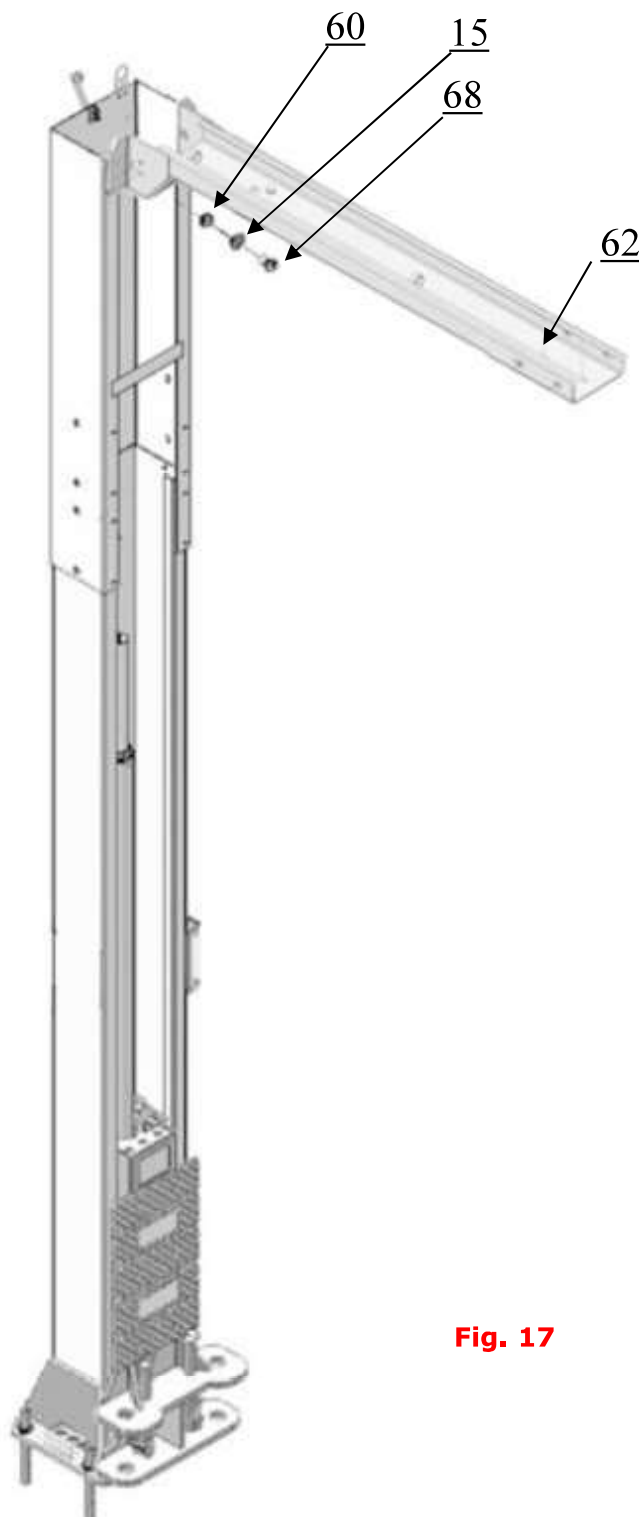
Position the columns on the installation layout of base-plate, Install the anchor bolts. Check the Columns plumpness with level bar, and adjusting with the shims if the columns are not vertical. Do not tighten the Anchor Bolts.



**Fig. 16**

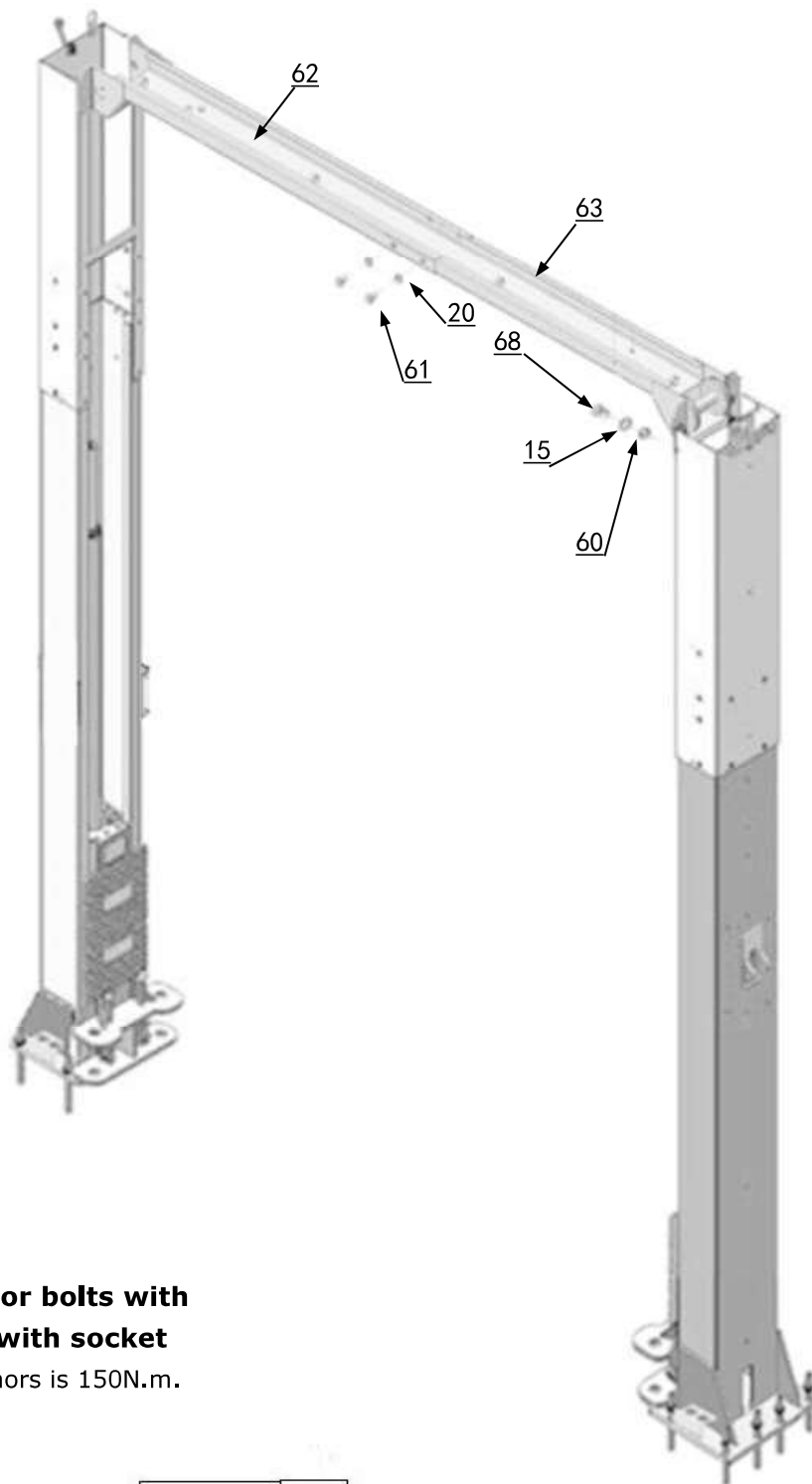
## G. Install overhead top beam

1. With help of the hook of top beam, put one side of top beam on top of the extension column and connecting the top beam to extension column by bolts, tighten the bolts. Then assemble the connecting bracket (**See Fig. 17**).



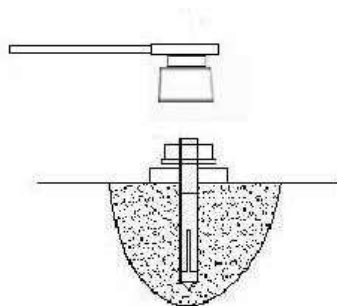
**Fig. 17**

2. Assemble top beam, tighten the columns anchor bolts (**See Fig. 18**).



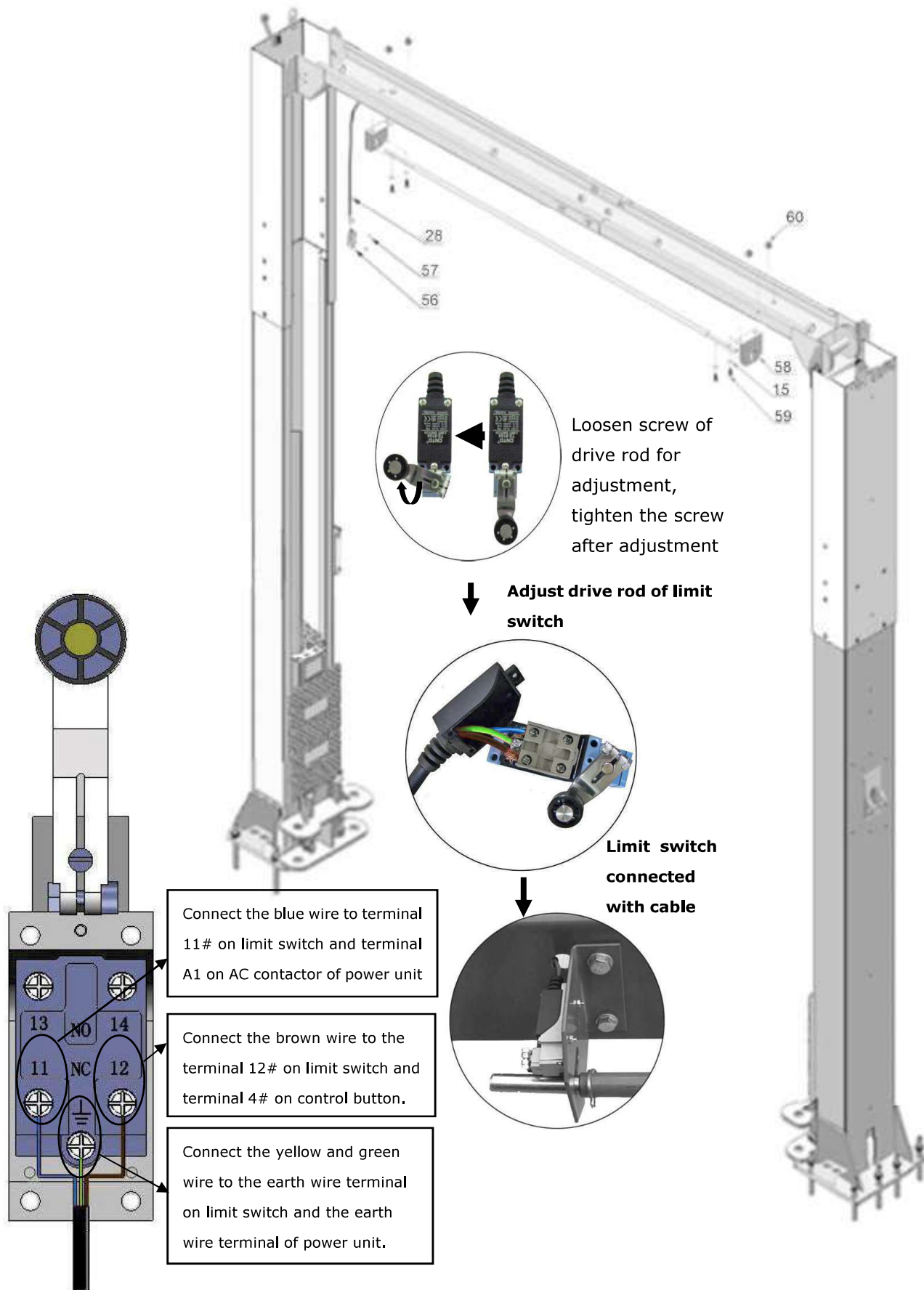
**Tighten the anchor bolts with  
ratchet spanner with socket**

Note: Torque of Anchors is 150N.m.



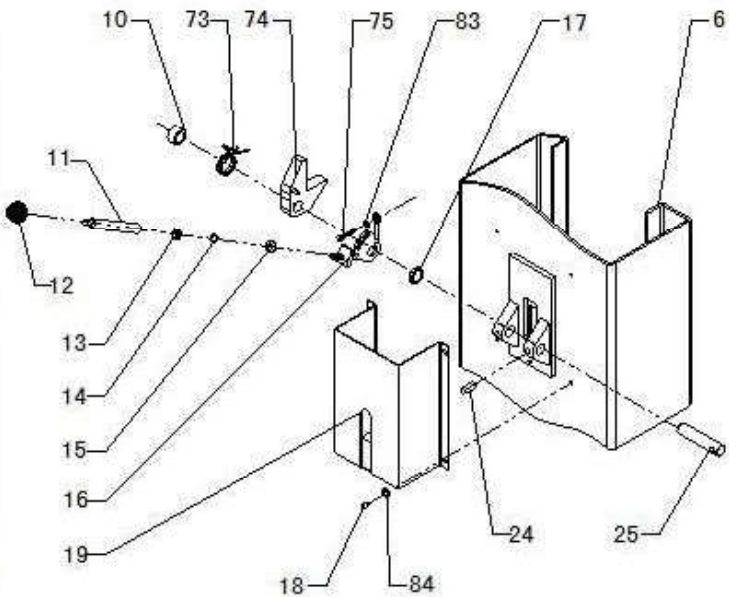
**Fig. 18**

## H. Installing the limit switch control bar and limit switch (See Fig. 19).

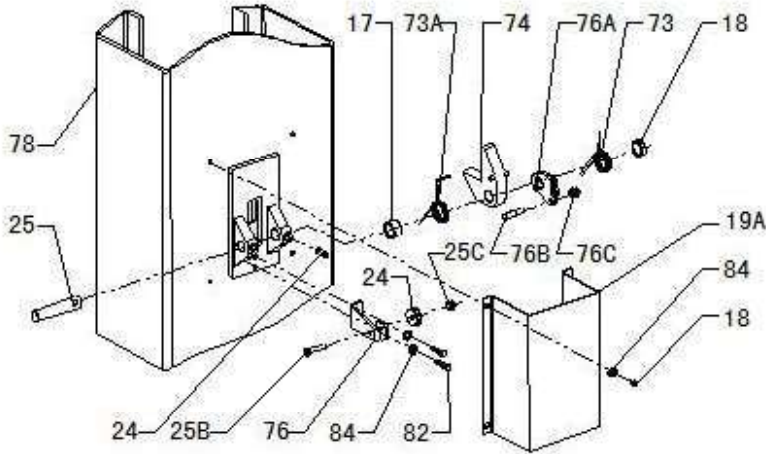


**Fig. 19**

**I. Install safety device (See Fig. 20 & Fig. 21).**



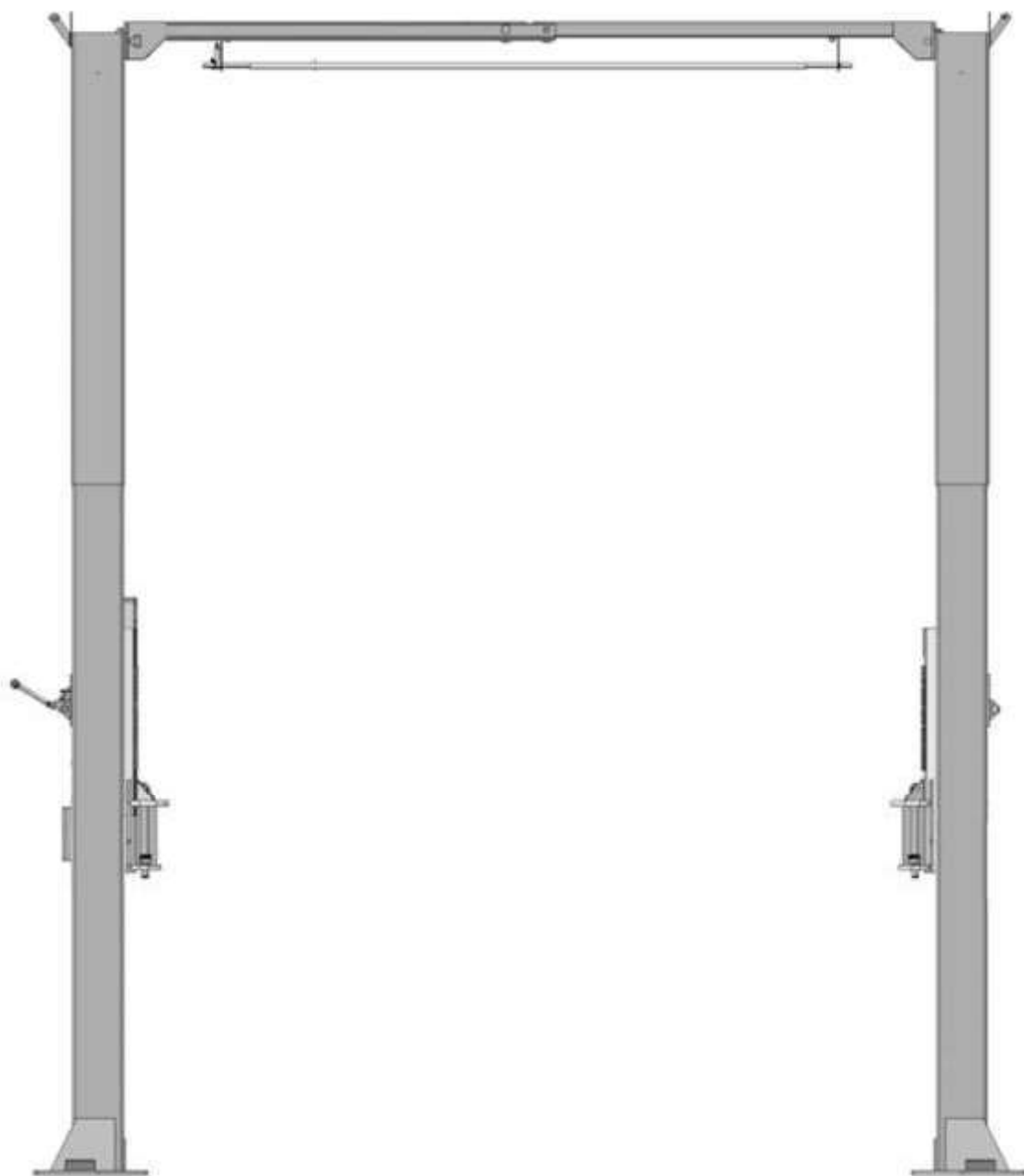
**Fig. 20 Power-side Safety Device**



**Fig. 21 Offside Safety Device**



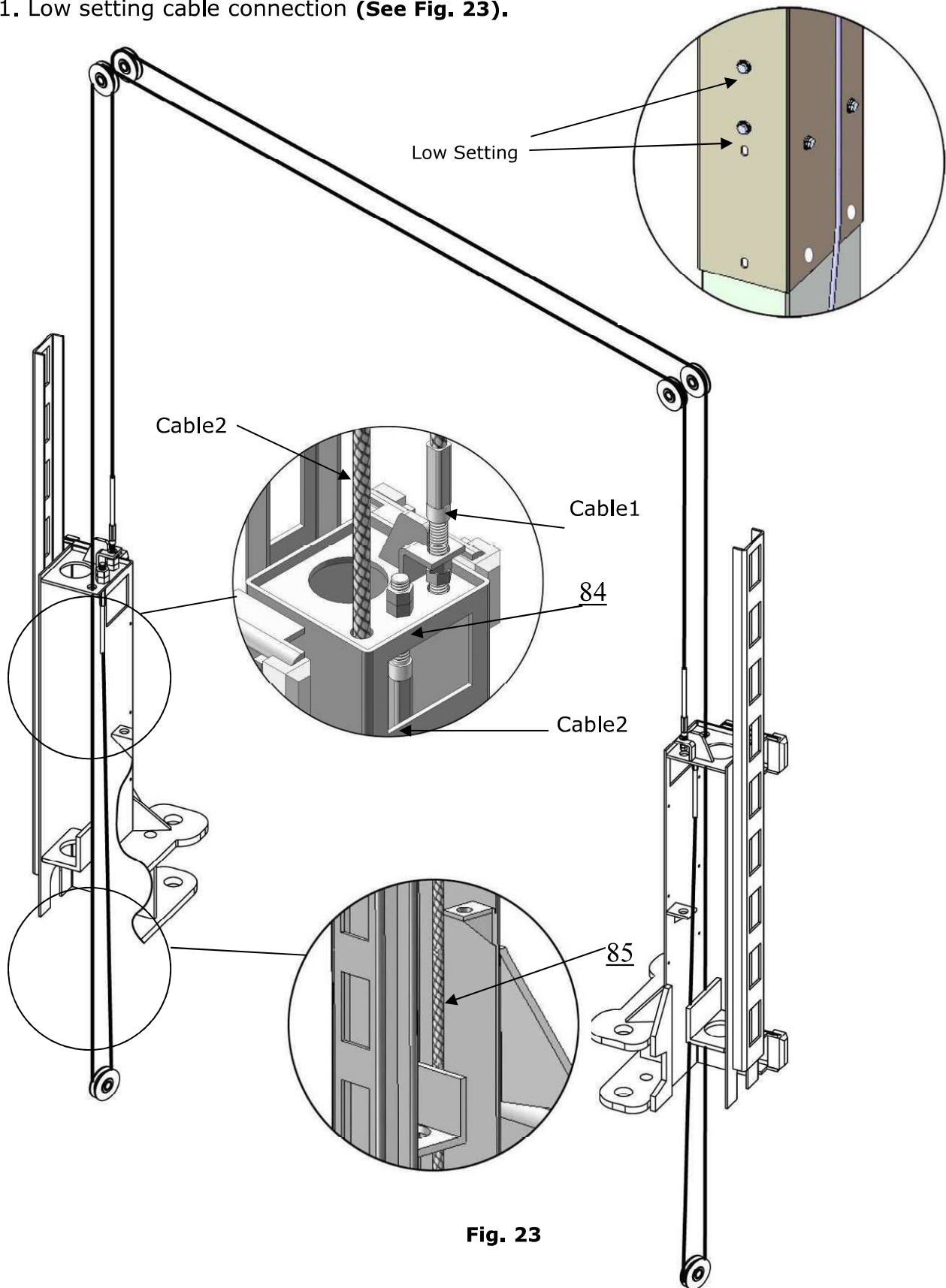
**J.** Lift the carriages up by hand and make them be locked at the same level (**See Fig. 22**).



**Fig. 22**

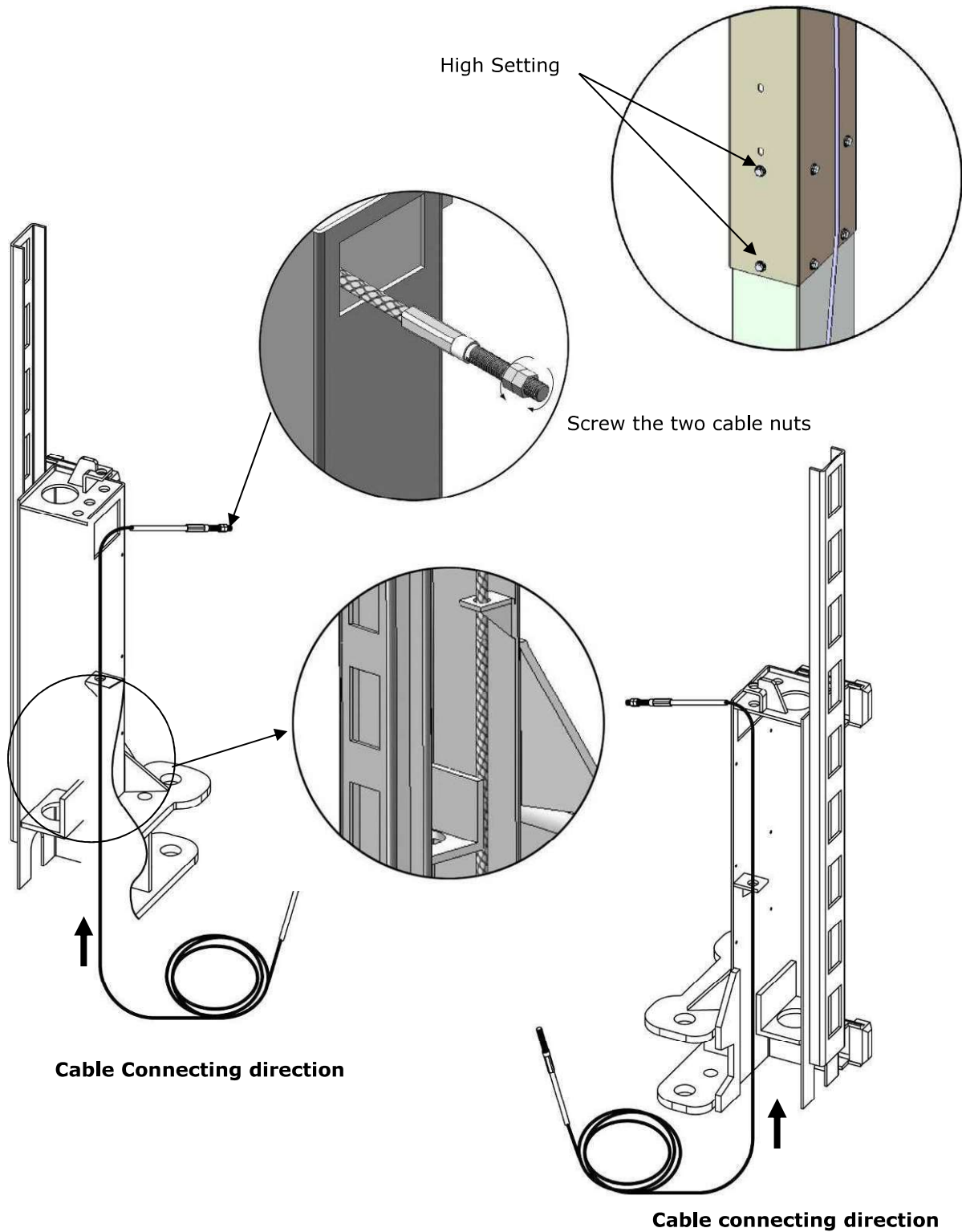
## K. Install cables

### 1. Low setting cable connection (See Fig. 23).



## 2. High setting cable connection

2.1. Cable pass through from the bottom of the carriages and be pulled out from the open of carriages, then screw the two cable nuts (**See Fig. 24**).



**Fig. 24**

2.2 Connecting cable for high setting (See Fig. 25).

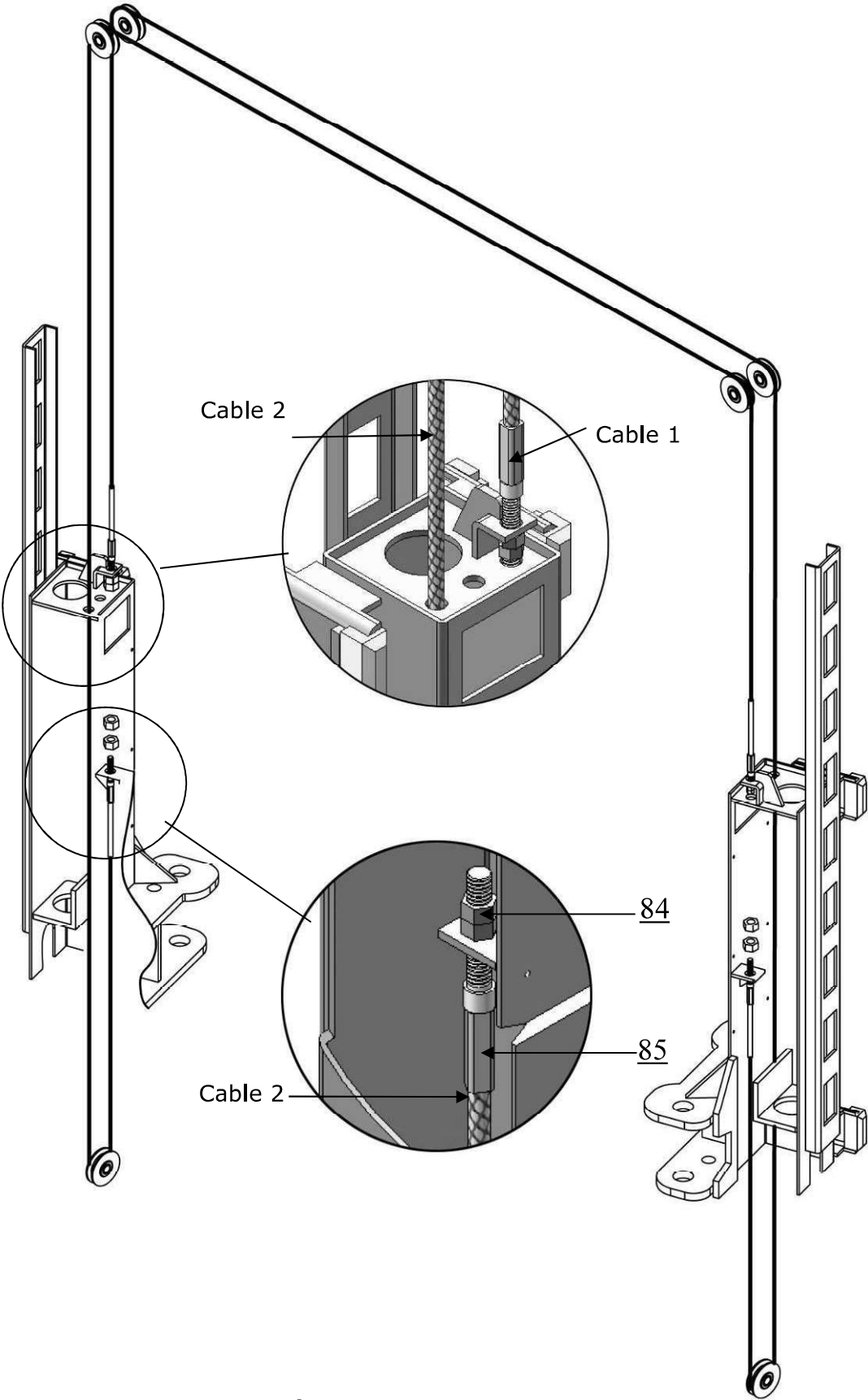
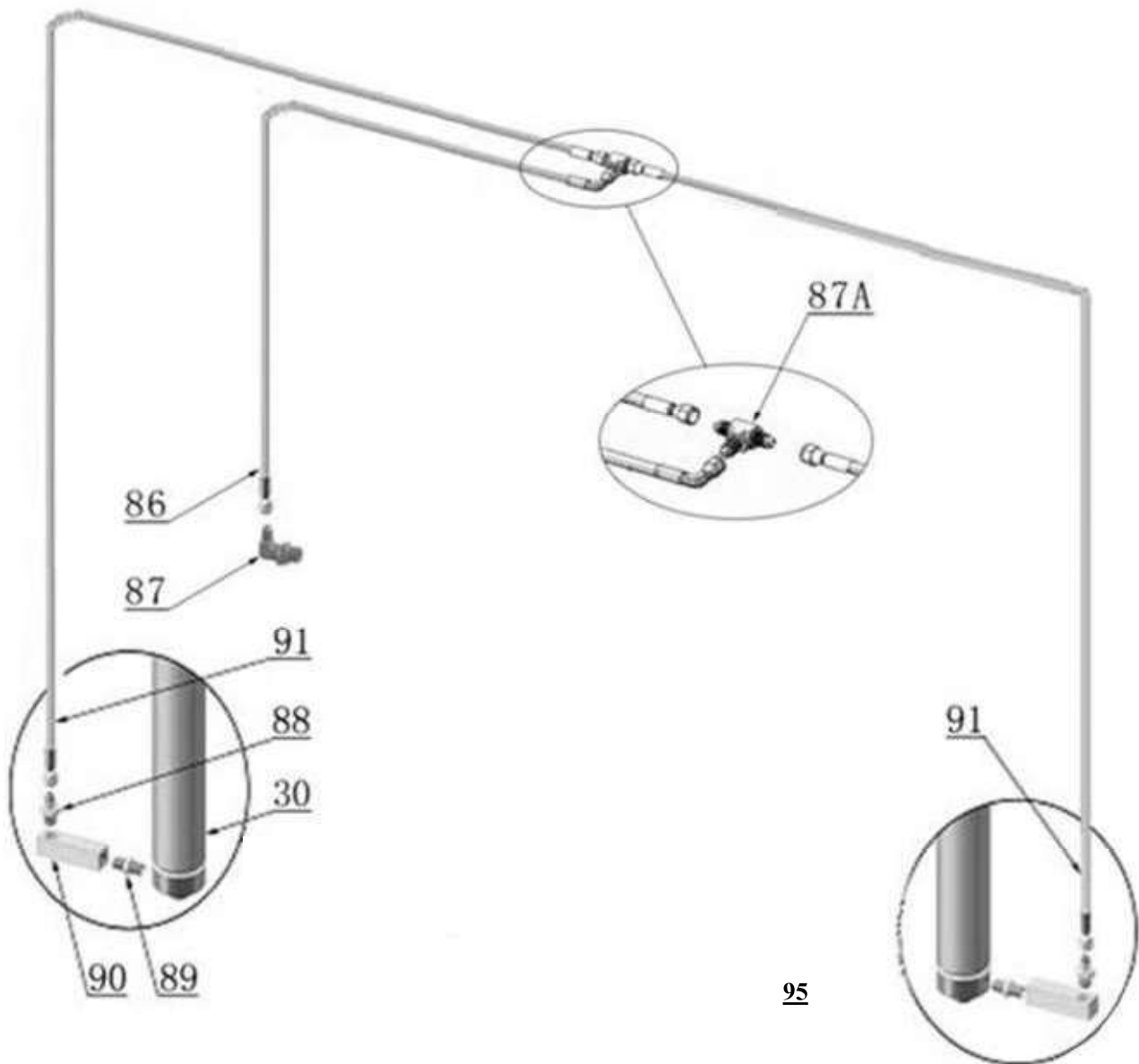


Fig. 25

**L. Install hydraulic power unit and oil hose assy. (See Fig.26).**

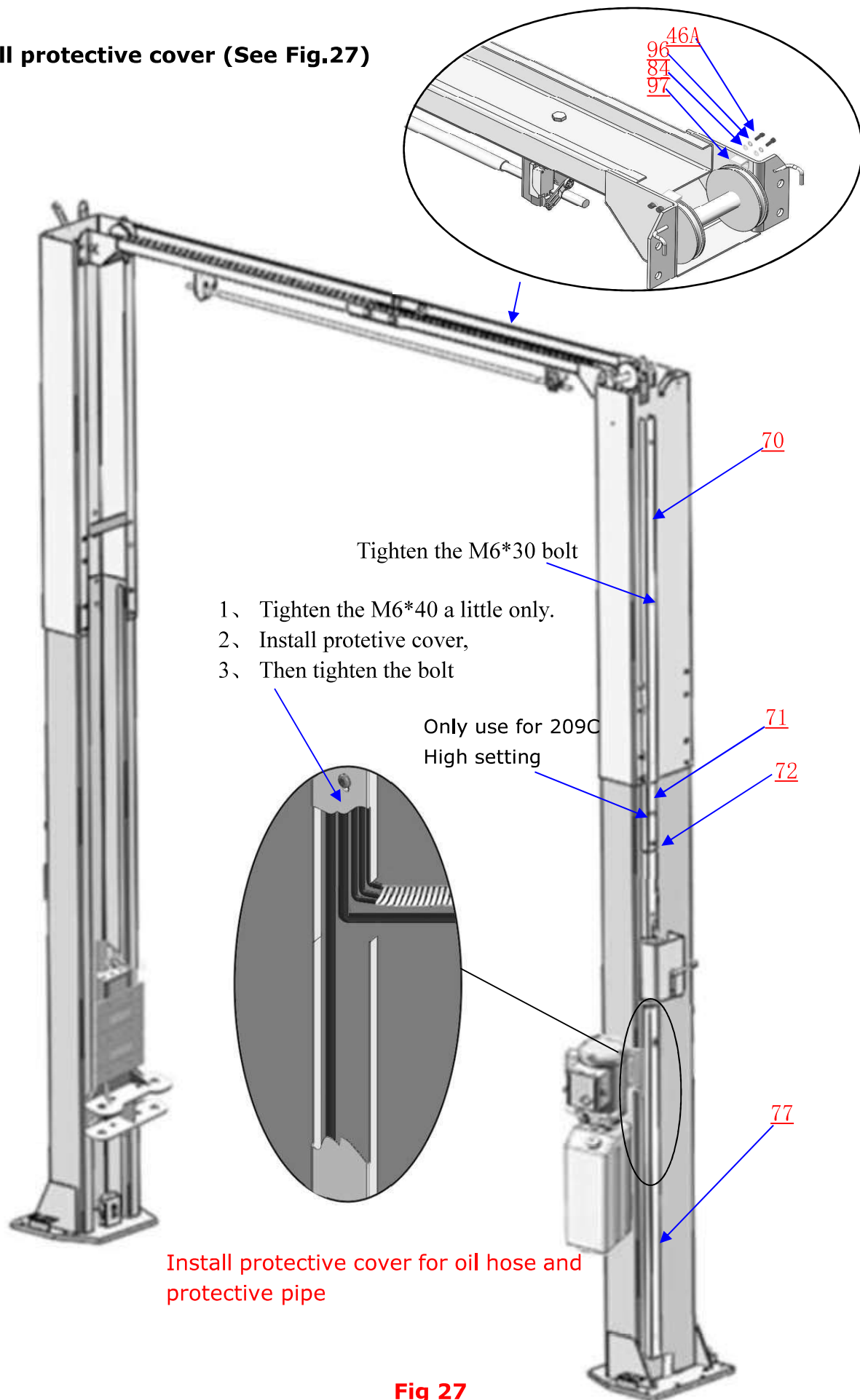


**Fig.26**

Tighten all the hydraulic fittings, and fill the reservoir with hydraulic oil.

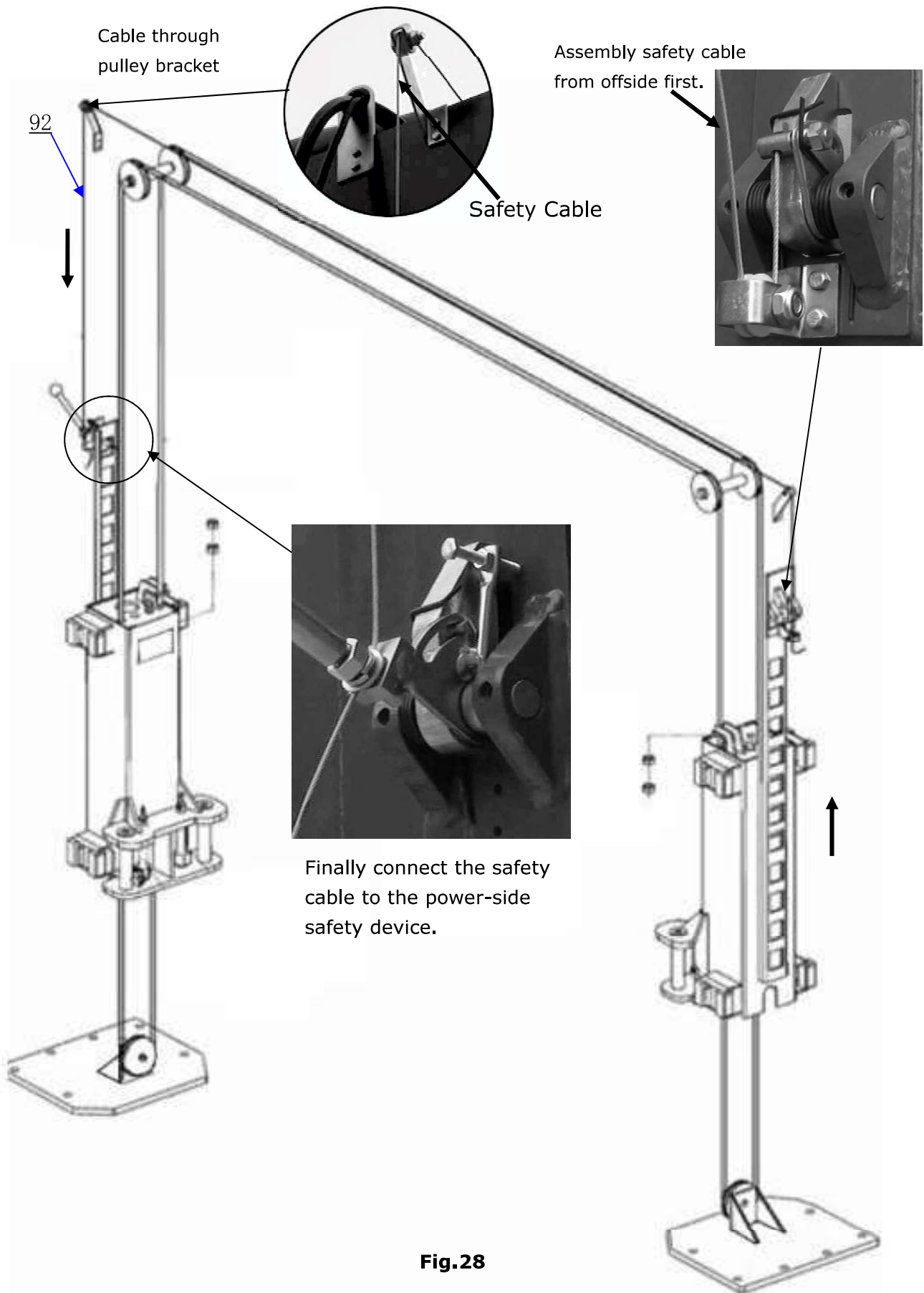
**Note: In consideration of Hydraulic Power Unit's durability and keep the equipment running in the perfect condition, please use Hydraulic Oil 46#.**

**M. Install protective cover (See Fig.27)**



**Fig 27**

**N. Install safety cable (See Fig. 28)**

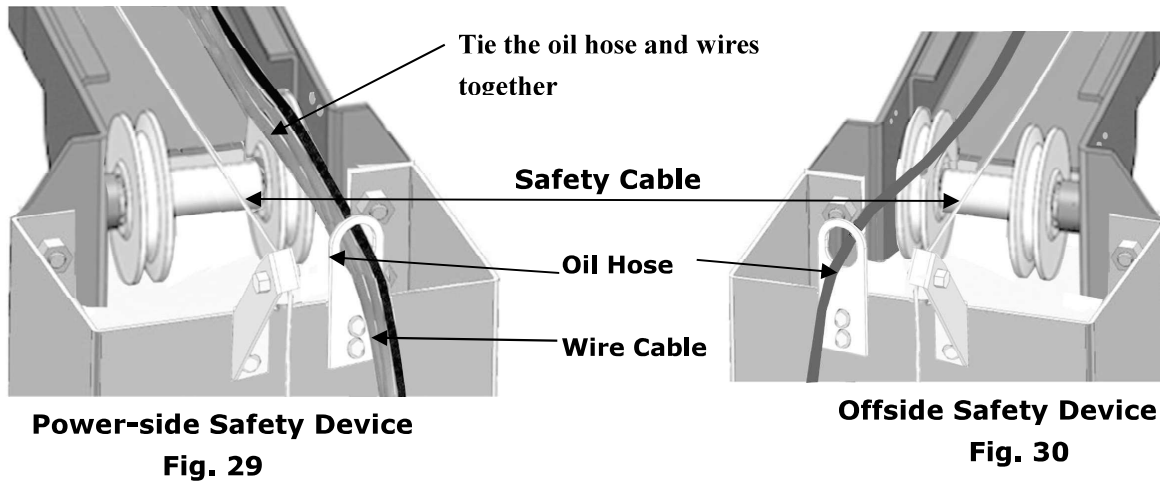




## O. Oil Hose & Protective Covers

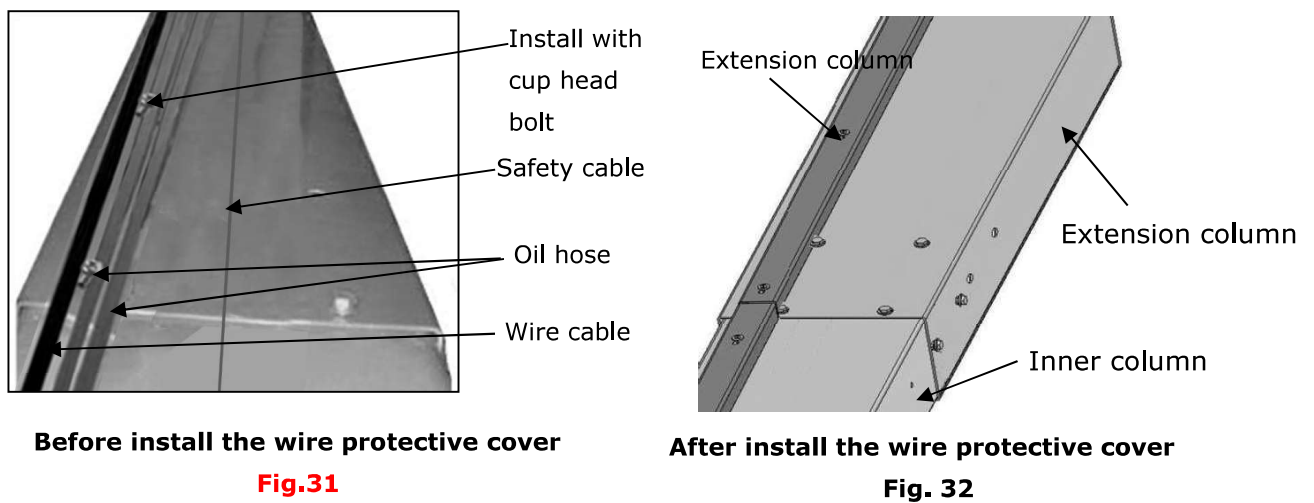
### 1. Install Oil Hose.

**Note:** Don't cross the oil hose and safety cable together (See Fig. 29 & Fig.30).

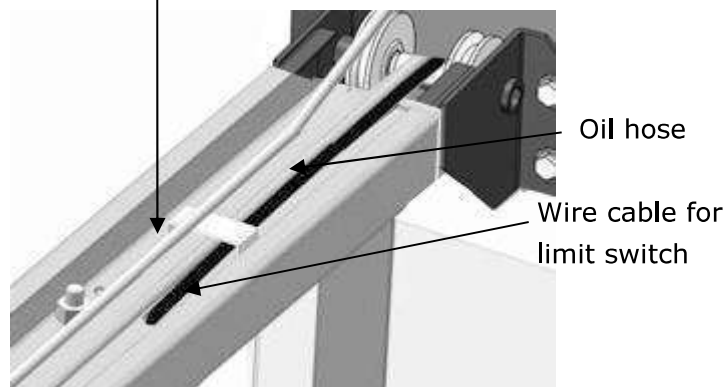


### 2. Install safety cable, oil hose and protective cover (See Fig. 31, 32, 33).

**Note:** Install the protective cover on the extension column with M6\*35 cup head bolt, Install the protective cover on the inner column with M6\*40 cup head bolt.



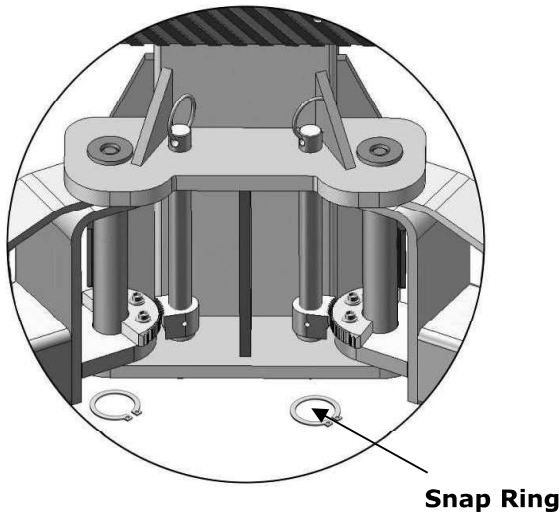
The safety cable cannot put inside cable clamp on top of overhead beam



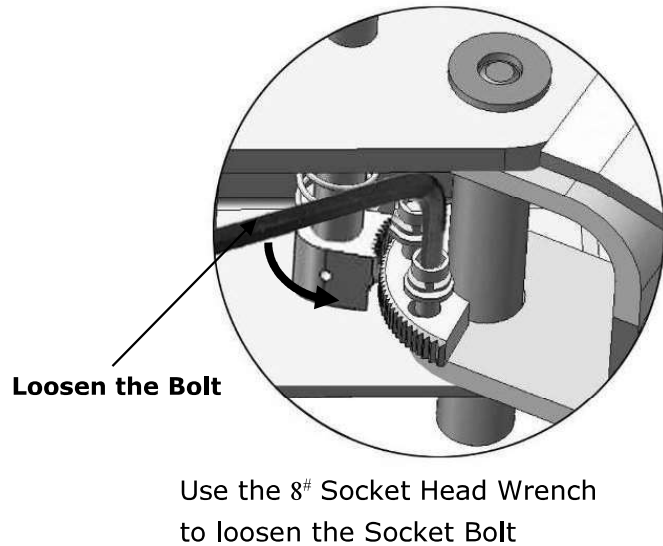
**Fig. 33**

**P. Install lifting arms and adjust the arm locks.**

1. Install the lifting arms (See Fig. 34).
2. Lowering the carriages down to the lowest position, then use the 8# socket head wrench to loosen the socket bolt (See Fig. 35).

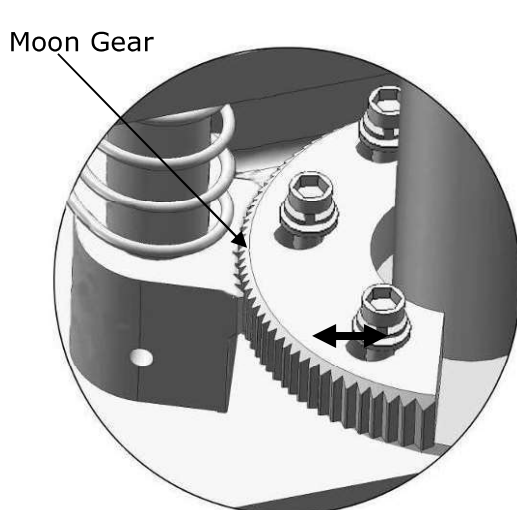


**Fig. 34**

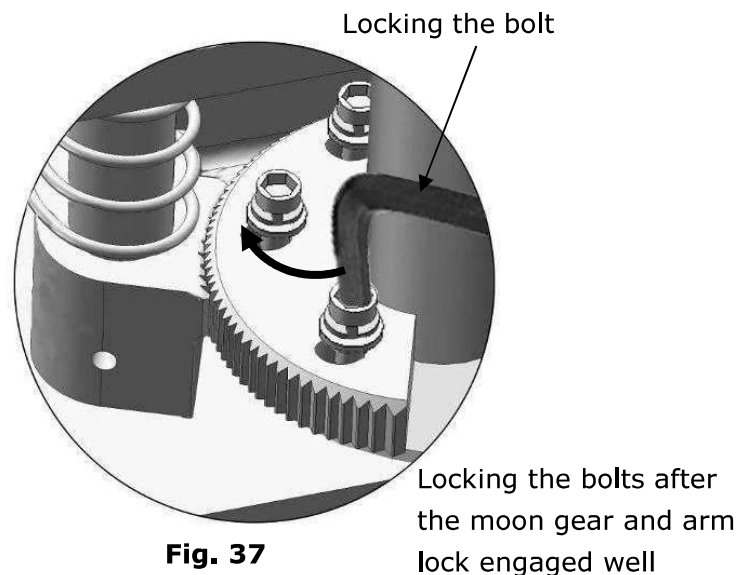


**Fig. 35**

3. Adjust the arm lock as direction of arrow (See Fig. 36)



**Fig. 36**



**Fig. 37**

4. Adjust moon gear and arm lock to make it to be meshed, then tighten the socket bolts of arm lock (See Fig.37).

**Q. 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#.**

## R. Install electrical system

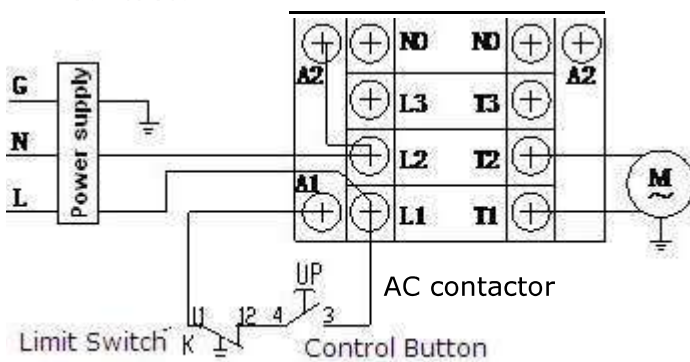
Connect the power source on the data plate of power unit.

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

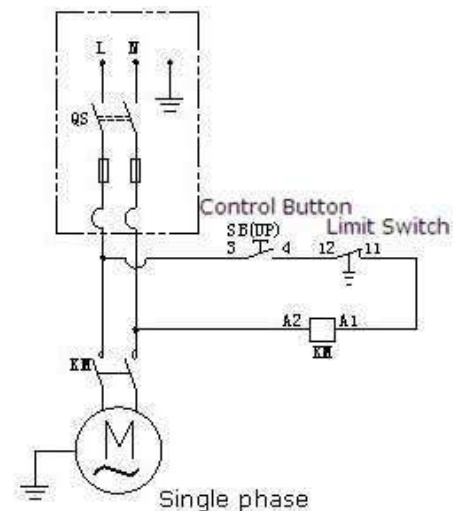
**2. Pay attention to the direction of rotations when using three phase motors.**

### Single phase motor (See Fig. 38).

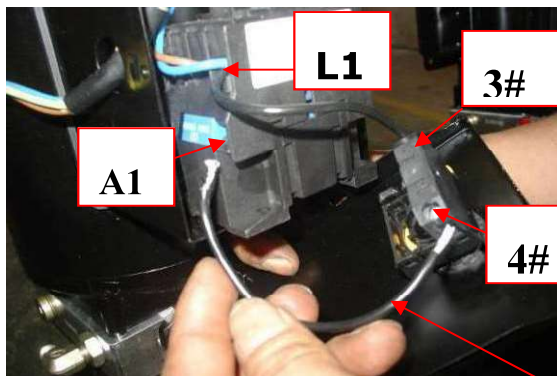
1. Connecting the two power supply wires (active wire **L** and neutral wire **N**) to terminals of AC contactor marked **L1**, **L2** respectively.
2. Connecting the two motor wires to terminals of AC contactor marked **T1**, **T2**.
3. Connecting **A2** to **L2** of AC contactor.
4. Connecting the limit switch: Removing the wire of connecting terminal **4#** of control button and **A1** of AC contactor firstly (See Fig. 39), then connecting wire **12#** (brown wire) of limit switch with terminal **4#** of control button and connecting wire **11#** (blue wire) with terminals **A1** of AC contactor respectively. Connecting the earth wire of limit switch to the earth wire terminal on the motor. (See Fig.40).
5. Terminal **3#** on the control button is connected with terminal **L1** on the AC contactor.



**Fig. 38**

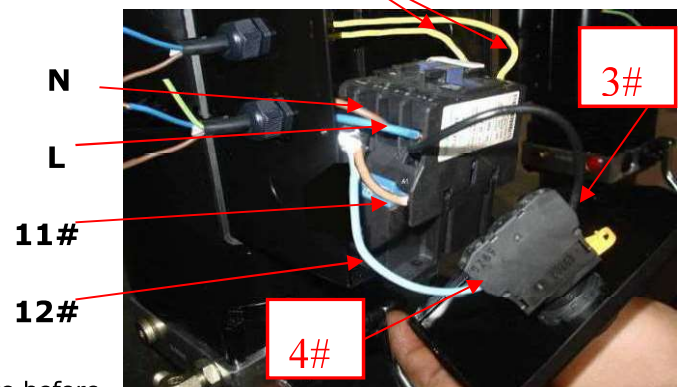


**Motor Line**



**Fig. 39**

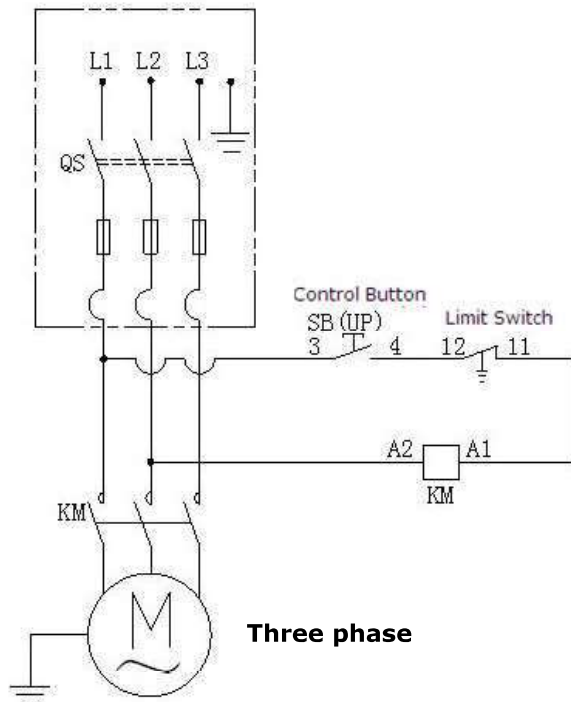
Remove this wire before connecting the Limit Switch



**Fig.40**

## Three phase motor

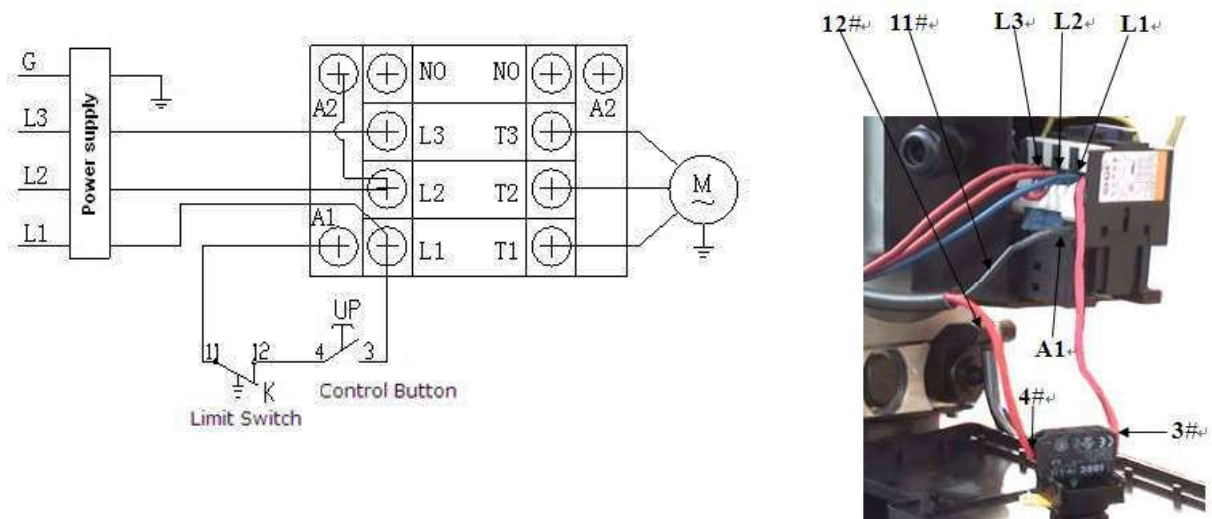
### 1. Circuit diagram (See Fig. 41)



**Fig. 41**

### 2. Connection step (See Fig.42)

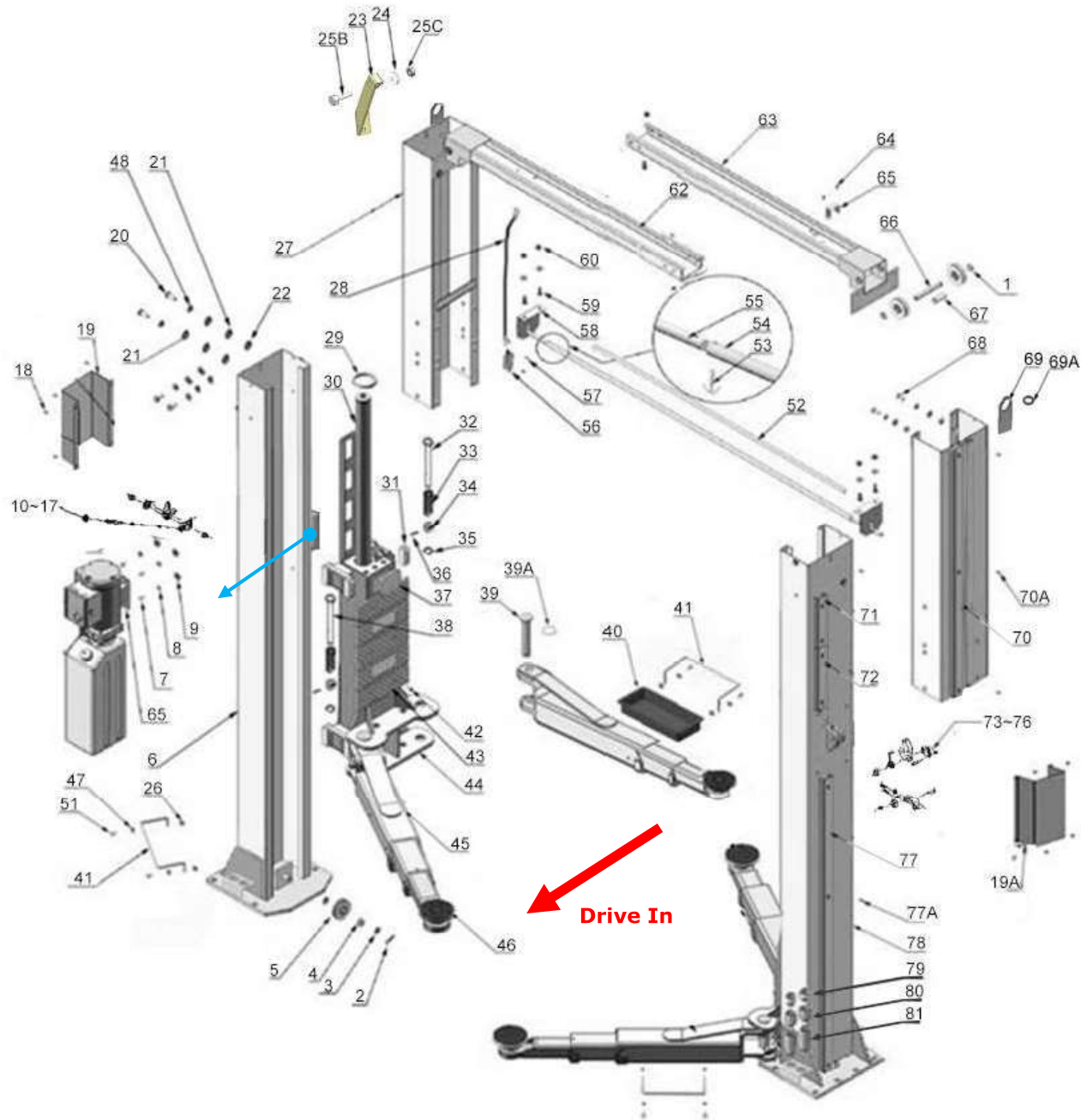
- The source wires (**L1, L2, L3**) are connected with terminals of AC contactor marked **L1, L2, L3** respectively.
- Terminals **4#** of control button is connected with wire **12#** (brown wire) of limit switch; wire **11#**(blue wire) is connected with **A1** terminal of AC contactor, Earth wire( yellow and green wire) of limit switch is connected with the earth wire terminal of the motor.
- Terminals **3#** of control button is connected with **L1** terminals of AC contactor.



**Fig. 42**

**IV. EXPLODED VIEW**

**Model CLASSIC 4000C, CLASSIC 4000CH**



**Fig. 43**

## Parts List for CLASSIC 4000C, CLASSIC 4000CH

Item No.	Parts No.	Description	Quantity		Note
			CLASSIC 4000C	CLASSIC 4000CH	
1	10206019	Snap Ring	4	4	
2	10209012	Hair Pin	2	2	
3	10209128	Washer	4	4	
4	10209057B	Bronzed bush for Pulley	6	6	
5	11206020	Pulley	6	6	
6	11206001C	Power Side column	1	1	
7	10209003	Hex Bolt	8	8	
8	10209004	Rubber Ring	4	4	
9	10209005	Self Locking Nut	8	8	
10	11217436	Safety device spacer	2	2	
11	11217006	Safety device control handle	1	1	
12	10217005	Plastic ball	1	1	
13	10206023A	Hex Nut	1	1	
14	10420026	Lock Washer	1	1	
15	10206006	Washer	27	27	
16	11217004	Main Cam Lock	1	1	
17	11217012	Safety device spacer	2	2	
18	10209009	Cup head bolt	10	10	
19	11217405	Power-side safety device cover	1	1	
19A	11217406	Offside safety device cover	1	1	
20	10209126	Hex Bolt	20	20	
21	10209022	Washer	40	40	
22	10209021	Hex Nut	20	20	
23	11217026	Safety Cable bracket	2	2	
24	10206009	Plastic pulley	3	3	
25	10217013	Hex Bolt	8	8	
25A	10420018	Self locking nut	8	8	
25B	10209046	Hex Bolt	3	3	
25C	10209056	Self Locking Nut	3	3	
26	10209033	Washer	12	12	
27	11206204	Extension Column L=1240mm	2	0	
	11206207	Extension Column L=1850mm	0	2	
28	10206137	Wire L=3700	1	0	
	10206138	Wire L=4310	0	1	
29	10209111	Cylinder protective Ring	2	2	
30	11217056	Cylinder	2	2	
31	10209015	Slider Block	16	16	
32	11206046A	Arm Lock Bar (left)	2	2	
33	10206050A	Spring	4	4	

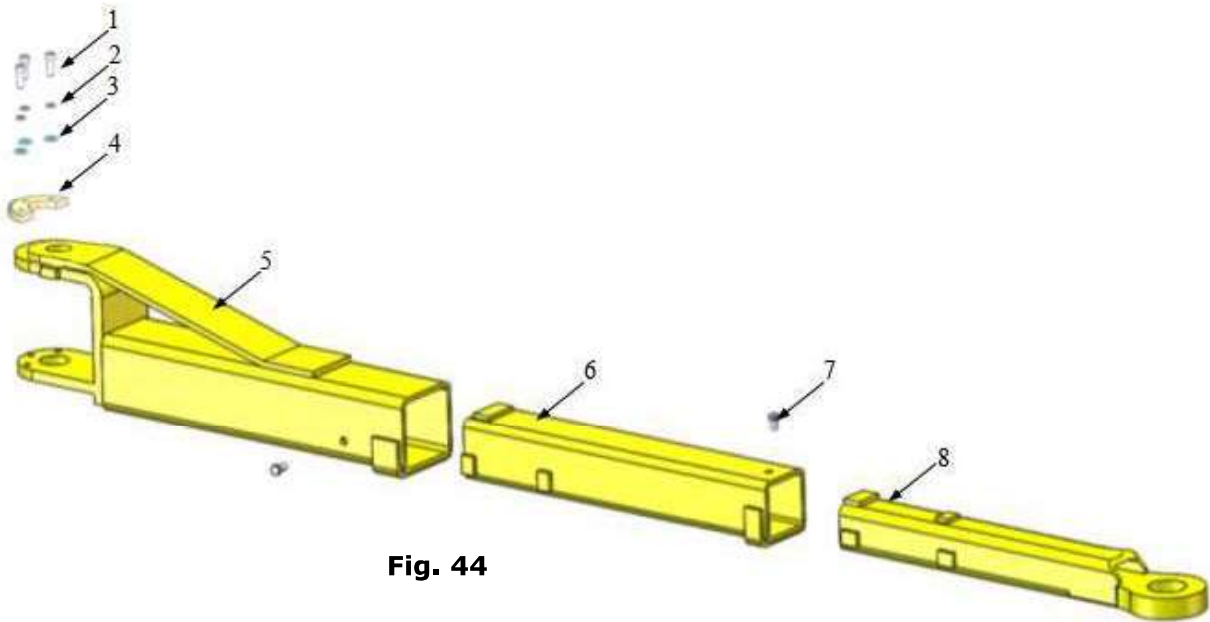
Item No.	Parts No.	Description	Quantity		Note
			CLASSIC 4000C	CLASSIC 4000CH	
34	10217044	Arm Lock	4	4	
35	10206032	Snap Ring	4	4	
36	10206036	Hair Pin	4	4	
37	10209016	Carriage plastic cover	2	2	
38	11206046	Arm Lock Bar (right)	2	2	
39	11217168	Arm Pin	4	4	
39A	10520023	Snap Ring	4	4	
40	10206190	Tool Tray (short)	2	2	
41	11206191	Short Toe Guard	4	4	
42	10209019	Screw	12	12	
43	10209018	Protective Rubber	2	2	
44	11279004	Carriage	2	2	
45	10203156	Front Arm Assembly	4	4	
46	10201046A	Rubber Pad Assy.	4	4	
46A	10420138	Socket Bolt	12	12	
46B	10209134	Rubber Pad	4	4	
46C	11680030C	Support Frame	4	4	
47	10209034	Lock Washer	14	14	
48	10209039	Lock Washer	32	32	
49	10209059B	Anchor Bolts	12	12	
50	10206500B	Parts Box	1	0	
	10206501B		0	1	
51	10201002	Hex Bolt	14	14	
52	10206025A	Form Cushion	1	1	
53	10201005	Slit pin	2	2	
54	11206129	Control Bar L=2400mm	1	1	
55	11206025C	Connecting pin for control bar	2	2	
56	10206013	Limit Switch	1	1	
57	10206011	Cup head bolt	2	2	
58	11206042	Control bar support bracket	2	2	
59	10206041	Hex Blot M12*20	4	4	
60	10206023	Self Locking Nut M12	12	12	
61	10209056	Self Locking Nut M10	4	4	
62	11206205	Top Beam A	1	1	
63	11206206	Top Beam B	1	1	
64	10206028	Cup Head bolt M5*8	4	4	
65	81513001/ 81513002	Power Unit (Single phase) Power Unit (3 phase)	1	1	
66	11206021	Pin for pulley	2	2	
67	11206022	Top pulley tube	2	2	
68	10206024	Hex Bolt M12*25	8	8	



Item No.	Parts No.	Description	Quantity		Note
			CLASSIC 4000C	CLASSIC 4000CH	
69	11217024	Hose Support	2	2	
69A	1061K074	Protective Ring	2	2	
70	11203752	Protective Cover L=1140	2	0	
	11203756	Protective Cover L=1750	0	2	
70A	10206110	Cup head bolt M6*35	6	6	
71	11206084	Protective Cover L=200	2	2	
72	11206083	Protective Cover L=385	2	2	
73	10217008	Spring $\phi 2.5 \times 145^\circ$	1	1	
73A	10217030	Protective Cover $\phi 2.5 \times 120^\circ$	2	2	
74	11217009	Safe Device	2	2	
75	10217010	Hex Bolt	1	1	
76	11217029	Pulley bracket	1	1	
76A	11217031	Cam Lock	1	1	
76B	10217032	Connect pin for cable	1	1	
76C	10217033	Self locking nut	1	1	
77	10203778	Protective cover L=1545	2	2	
77A	10206079	Cup Head bolt M6*40	14	14	
78	11206203	Offside column	1	1	
79	11209051B	Stackable adaptor (1.5 " )	4	4	
80	11209052B	Stackable adaptor (2.5 " )	4	4	
81	11209053B	Stackable adaptor (5 " )	4	4	
82	10217066	Hex Bolt	2	2	
83	10217011	Hex Nut	1	1	
84	10420045	Washer	26	26	
85	10206064A	Cable L=10048mm	2	0	
	10206064B	Cable L=11268mm	0	2	
86	10206132	Oil Hose L=4465mm	1	0	
	10206133	Oil Hose L=5055mm	0	1	
87	10209060	90° fitting	1	1	
87A	10211016	T Fitting	1	1	
88	10209064	Straight fitting	2	2	
89	10206062	Straight fitting	2	2	
90	10233009	Straight fitting (pipe)	2	2	
91	10206130	Oil Hose L=5325mm	2	0	
	10206131	Oil Hose L=5935mm	0	2	
92	10206149	Safety Cable L=7750mm	1	0	
	10206065A	Safety Cable L=8970mm	0	1	
93	10209066	Hex Nut	8	8	
94	10201090	Shim (1mm)	10	10	
	10620065	Shim (2mm)	10	10	
95	10209152	Tie 3*150mm	4	4	

Item No.	Parts No.	Description	Quantity		Note
			CLASSIC 4000C	CLASSIC 4000CH	
96	10209149	Lock washer	10	10	
97	1102075001	Cable Limited Board	4	4	

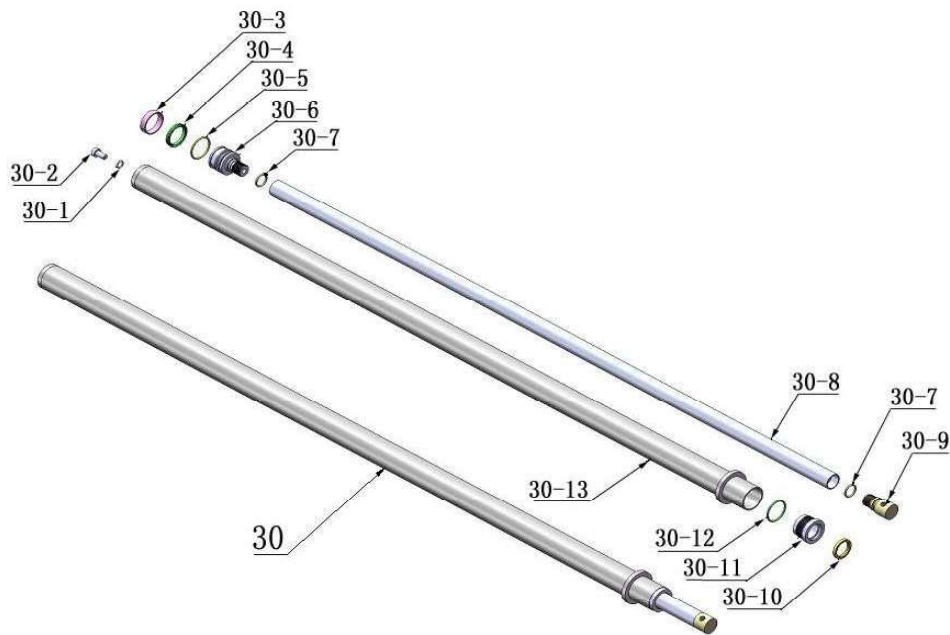
#### 4.1 Lifting arm (10203156) :



**Fig. 44**

Item NO.	Parts No.	Description	Qty	Note
1	10206048	Socket Bolt M10*30	12	
2	10209039	φ10 Spring washer	12	
3	10209022	φ10 Washer	12	
4	11206049	Moon Gear	4	
5	11203146	Outer arm	4	
6	11203147	Middle arm	4	
7	10201149	Cup Head bolt	8	
8	11201049A	Inner Arm	4	

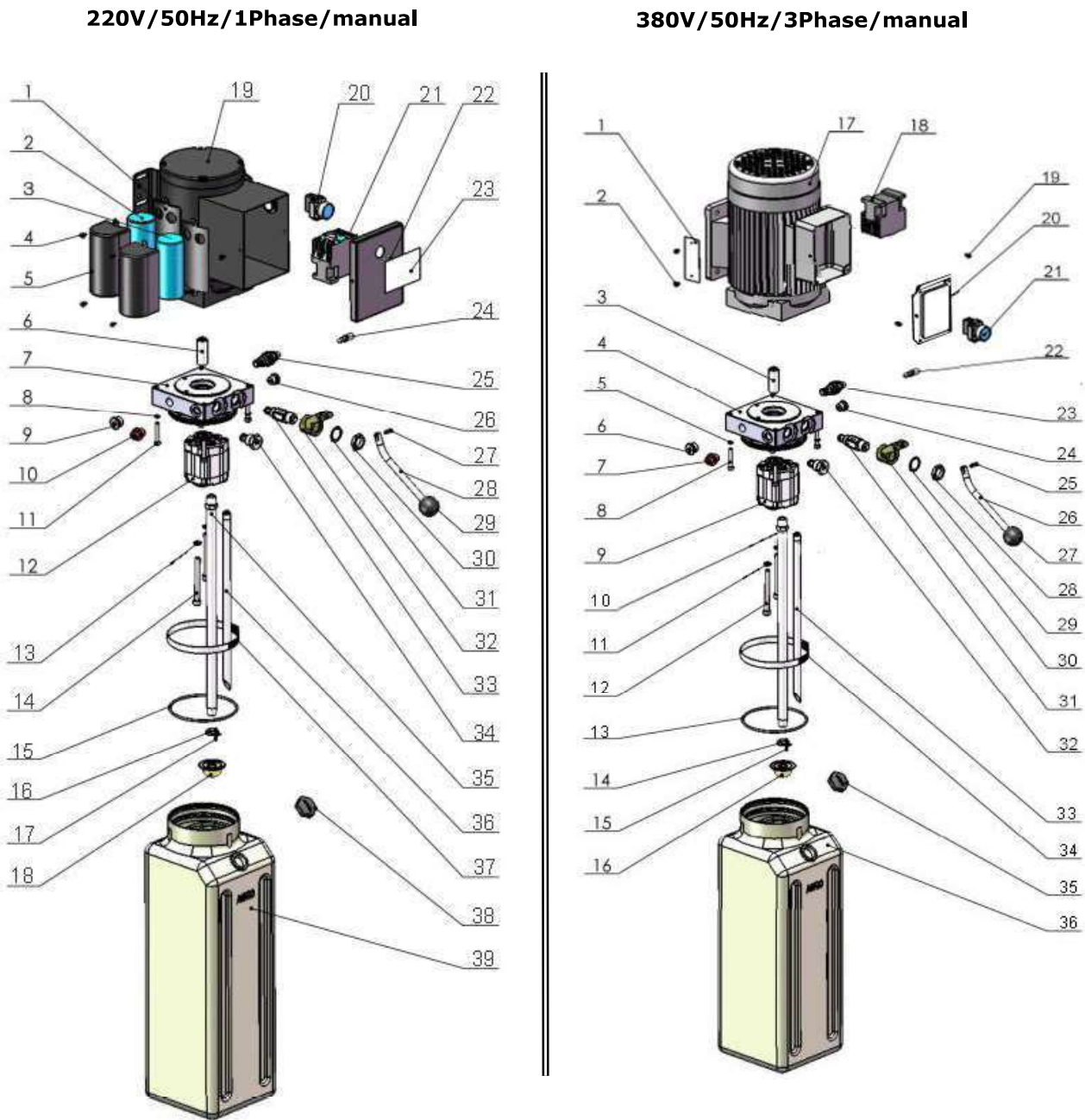
## 4.2 Cylinders (10217056)



**Fig. 45**

Item NO.	Parts No.	Description	Qty
30-1	10209069	O-Ring	2
30-2	10209070	Bleeding Plug	2
30-3	10209071	Support Ring	2
30-4	10209072	Y-Ring	2
30-5	10209073	O-Ring	2
30-6	11209074	Piston	2
30-7	11209075	O-Ring	2
30-8	11217076	Piston Rod	2
30-9	11209077	Piston Rod Fitting	2
30-10	10209078	Dust Ring	2
30-11	11209079	Head Cap	2
30-12	10209080	O-Ring	2
30-13	11209081A	Bore Weldment	2

**4.3 Manual Power Unit (81513001/81513002) exploded view:**



**Fig. 46**

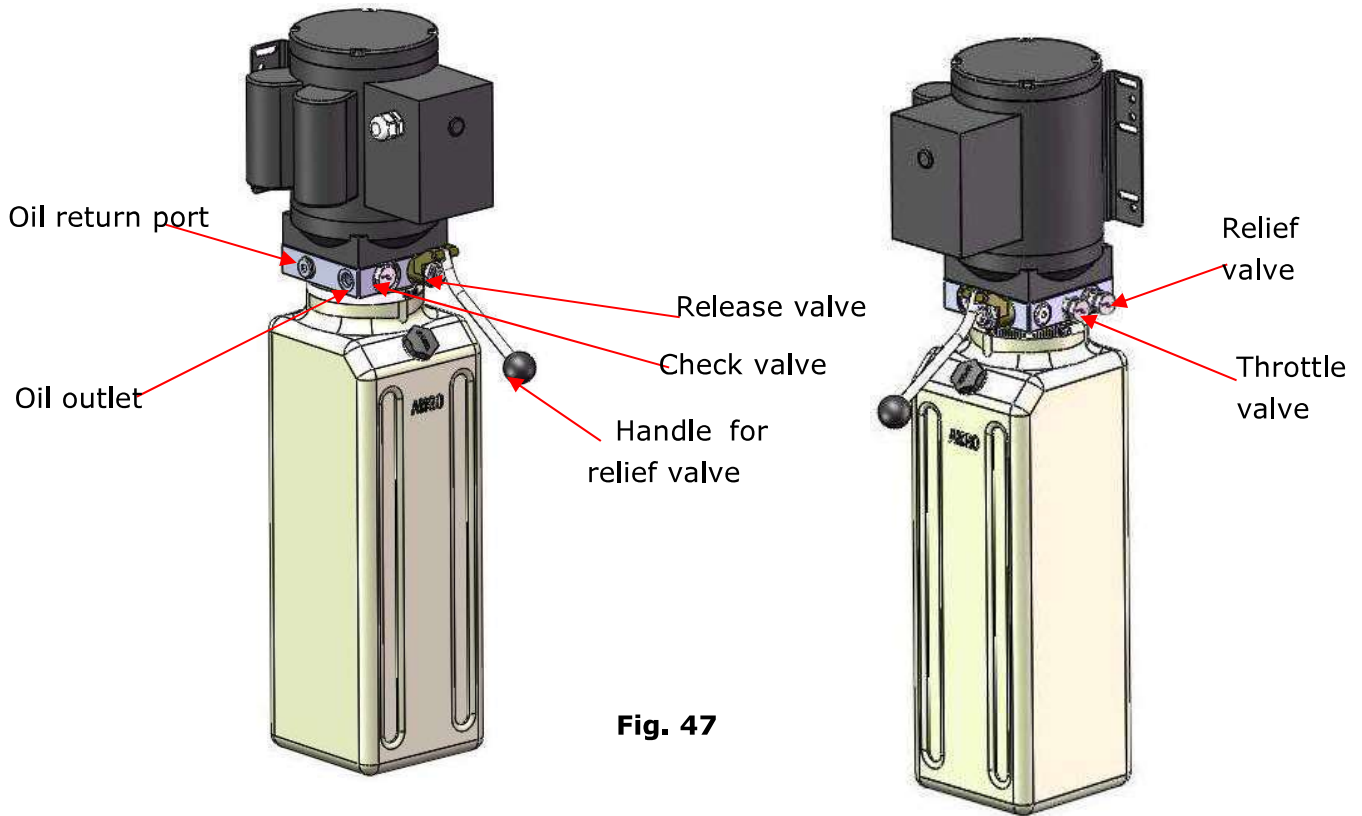
## Part list for power unit 220V/50Hz/Single phase

No	Part no	Name	QTY
1	81400180	Rubber Pad	2
2	81400250	Start Capacitor	1
3	81400200	Running Capacitor	1
4	10420148	Cup head bolt	6
5	81400066	Capacitor Cover	2
6	81400363	Motor Connecting Shaft	1
7	80101013	Manifold Block	1
8	10209149	Spring Washer	4
9	81400276	Iron plug	1
10	81400259	Red Plastic plug	1
11	85090142	Socket Bolt	4
12	81400280	Gear Pump	1
13	10209034	Spring Washer	2
14	81400295	Socket Bolt	2
5	81400365	O Ring	1
16	10209152	Tie	1
17	85090167	Magnet	1
18	81400290	Filter	1
19	81400413	Motor	1
20	10420070	Push Button	1
21	41030055	Ac Contactor	1
22	81400528	Terminal cover	1
23	71111170	AMGO Name Plate	1
24	81400560	Throttle valve	1
25	81400266	Relief Valve	1
26	81400284	Plug	1
27	10720118	Pin	1
28	81400451	Release Valve Handle	1
29	10209020	Plastic Ball	1
30	81400421	Reelase Valve Nut	1
31	81400422	Self Locking Nut	1
32	81400449	Vavle Seat	1
33	81400567	Release Vavle	1
34	81400566	Check Valve	1
35	81400288	Oil suction hose	1
36	81400289	Oil return hose	1
37	81400364	clamp	1
38	81400263	Oil tank cover	1
39	81400275	Oil tank	1

**Part list for power unit 380V/50Hz/3phase**

<b>No</b>	<b>Part no</b>	<b>Name</b>	<b>QTY</b>
1	71150055	AMGO Name plate	1
2	81400300	Cuphead Bolt	2
3	81400363	Motor Connecting Shaft	1
4	81400362	Manifold Block	1
5	10209149	Spring Washer	4
6	81400276	Iron Plug	1
7	81400259	Red Plastic Plug	1
8	85090142	Socket Bolt	4
9	81400292	Gear Pump	1
10	81400288	Oil suction hose	1
11	10209034	Spring Washer	2
12	81400295	Socket Bolt	2
13	81400365	O Ring	1
14	10209152	Tie	1
5	85090167	Magnet	1
16	81400290	Filter	1
17	81400439	Motor	1
18	81400348	AC Contactor	1
19	10420148	Cup Head Bolt	2
20	81400481	Terminal Box For Motor	1
21	10420070	Push Button	1
22	81400560	Throttle valve	1
23	81400266	Relief Valve	1
24	81400284	Plug	1
25	81400452	Pin	1
26	81400451	Release Valve Handle	1
27	10209020	Plastic Ball	1
28	81400421	Release Valve Nut	1
29	81400422	Self Locked washer	1
30	81400449	Valve Seat	1
31	81400567	Release Valve	1
32	81400566	Check Valve	1
33	81400289	Oil Return Hose	1
34	81400364	clamp	1
35	81400263	Oil tank cover	1
36	81400275	Oil tank	1

## Illustration of hydraulic valve for hydraulic power unit

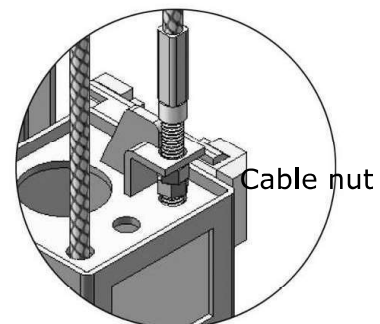


## V. TEST RUN

### 1. Adjust synchronous cable (See Fig. 48)

Press button **UP** to lift the vehicle carriages until the cable nut is higher than chain pulley and lock the two vehicle carriage in the same safety lock. Use wrench to hold the cable fitting, meanwhile using ratchet spanner to tighten the cable nut. Make sure two cables are in the same tension so the two vehicle carriage locks engage synchronously.

**If the vehicle carriages does not Synchronize when lifting, please tighten the cable nut of lower side vehicle carriage.**



**Fig. 48**



## 2. Adjust safety cable

Lifting the vehicle carriages and lock at the same height, strain the safety cable and then release a little, and then tighten the cable nuts. Make sure the safety device can always be worked properly. Fit the plastic hole cover.



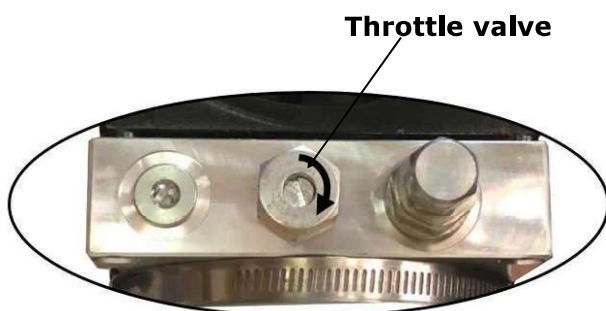
**Fig. 52**

## 3. Bleeding air

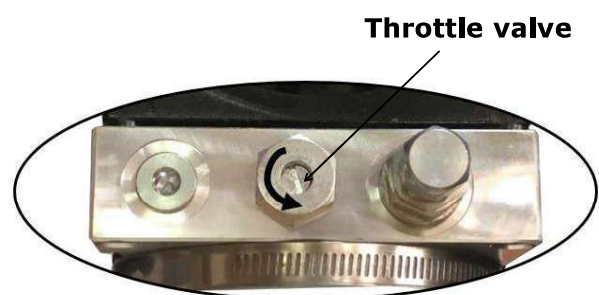
This hydraulic system is designed to bleed air by loosening the bleeding plug. Lifting the carriages to about 1 meter height, and loose the bleeding plug, the air would bebled automatically, then tighten the plug after bleeding, the lift would work stably and smoothly, otherwise repeat bleeding.

## 4. Adjust the lower speed

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



Adjust clockwise, slow down to decent



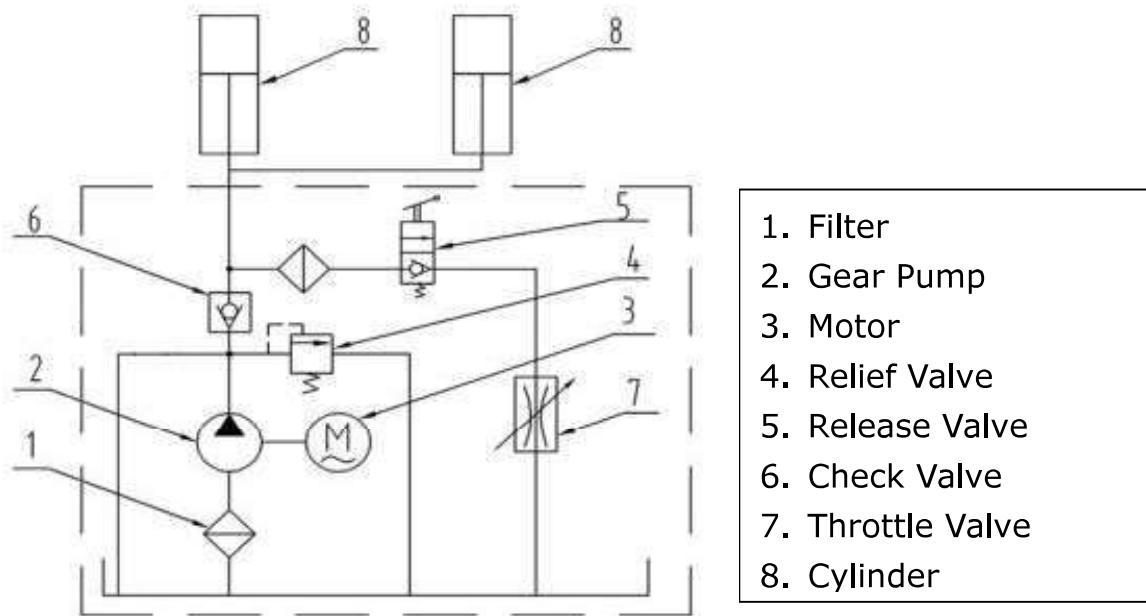
Counter clockwise, faster descent

**Fig. 49**

## 5. Test with load

After finishing the above adjustment, perform a test run of the lift with a load. Run the lift in low position for the first few cycles, make sure the lift can rise and lower synchronously, the Safety Device can lock and release synchronously. And then test run the lift to the top completely. If there is anything improper, repeat the above adjustments until correct.

**NOTE: It may be vibrated during the first lifting cycles, please lifting it with load for several times, the air would be bled and the vibration would be disappeared automatically.**



**Fig. 50**

## **VI. OPERATION INSTRUCTIONS**

**Please read the safety tips vehicle 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 shorten 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**

7. Push the button of the power unit to lift until the lift pads contact underside of vehicle totally. Recheck to make sure vehicle is safe on the lift;
8. Continue to raise the lift slowly to the desired working height, ensuring the vehicle is balance on the lift;
9. Push lowering handle of power unit to lower lift onto the nearest safety lock. 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 the vehicle away

**Note: In order to extend the service life of the cylinder and seal, the lift needs to be raised to the highest position at least once a day.**

## **VII.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 columns for plumbness.
4. Check Rubber Pads and replace if necessary.
5. Check Safety device and make sure proper condition.

## VIII.TROUBLE SHOOTING

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

## 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.



Classic Lift Australia.  
[classiclift.com.au](http://classiclift.com.au)  
1800 951022.